CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads and bridges, Tennessee, State Dept. Highways & Pub. Wks., planning 1927 expenditures, $13,000,000.

Roads and bridges, Virginia, State Hy. Dept. plans 1927 expenditures, $8,477,205.

Grading, bridging, paving, Texas, Edinburg-Hidalgo Co. election in January, $6,000,000.

Mail order house and retail store, Los Angeles, Calif., Sears, Roebuck & Co. making plans, $5,000,000.

Streets, Coral Gables, Fla., bonds voted, $4,500,000.

Reservoir, Syracuse, N. Y., city made plans, $1,500,000 to $2,000,000.

Apartment, Chicago, Ill., A. Goldstein having plans prepared, $1,500,000.

Hotel and store, Chicago, Ill., Ellen Kenner Ingal Building Corp. having sketches made, $1,350,000.

Apartment and hotel, Los Angeles, Calif., W. Bruce, archt., preparing plans, $1,250,000.

Bridge, Bellefontaine, Mo., F. L. McCawley et al making plans, $1,000,000.

Hotel, Erie, Pa., United Hotels Co. of America planning addition, $1,000,000.

Club, La Jolla, Calif., La Jolla Beach and Yacht Club had plans prepared, $1,000,000.

Sewers, Syracuse, N. Y., city plans extending sewerage system, $1,000,000.

Bids Desired

Convention Hall, Asbury Park, N. J., Jan. 4, by E. F. Hetrick, mayor, $1,500,000.

Theatre and office, Sioux City, Ia., Dec. 31, by C. W. & G. L. Rapp, archts., $1,500,000.

High School, Miami, Fla., Jan. 10, by Dade Co. Bd. Pub. Instruction, $1,000,000.

Contracts

Steam plant, Williamsport, Md., Potomac Edison Co. to Sanderson & Porter, $2,000,000.

Hotel, San Diego, Calif., R. T. Robinson, Jr. to W. Simpson Co., $2,000,000.

Freight terminal, Cambridge, Mass., Boston & Maine R.R. to D. Robinson Co., Inc., $2,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Dec. 27 McCook, Neb. ..... Dec. 16
Dec. 28 Gillett, Wis. ..... Dec. 23
Dec. 29 Milwaukee, Wis. ..... Dec. 23
Dec. 30 Two Rivers, Wis. ..... Dec. 23
Dec. 30 Mansfield, O. ..... Dec. 23
Jan. 3 Tracy, Calif. ..... Dec. 23
Jan. 4 Olney, Ill. ..... Dec. 9
Jan. 4 Menasha, Wis. ..... Dec. 23
Jan. 6 Eldorado, Kan. ..... Dec. 16
Adv. Dec. 16 and 23.
Jan. 7 Conneaut Lake, Pa. ..... Dec. 23
Adv. Dec. 16 and 23.
Jan. 10 Washburn, Ill. ..... Dec. 23
Jan. 11 Macon, Ga. ..... Dec. 16
Jan. 11 Tallahassee, Fla. ..... Dec. 23
Adv. Dec. 23.
Jan. 12 Henderson, N. C. ..... Dec. 23
Adv. Dec. 16 and 23.

Sewers

Dec. 27 Miami, Fla. ..... Dec. 16
Dec. 29 Phila., Pa. ..... Dec. 23
Dec. 29 Detroit, Mich. ..... Dec. 23
Dec. 30 Two Rivers, Wis. ..... Dec. 23
Dec. 30 Minneapolis, Minn. ..... Dec. 16
Dec. 30 Montgomery, Minn. ..... Dec. 9
Dec. 31 Ventura, Calif. ..... Dec. 23
Jan. 4 Seminole, Okla. ..... Dec. 23
Jan. 5 Neptune City (mail Avon by the Sea), N. J. ..... Dec. 23
Jan. 5 Orlando, Fla. ..... Dec. 23
Adv. Dec. 23.
Jan. 6 Cleveland, O. ..... Dec. 16
Jan. 7 Pontiac, Mich. ..... Dec. 23
Adv. Dec. 23.
Jan. 18 St. Louis, Mo. ..... Dec. 23
Jan. 20 Chicago, Ill. ..... Dec. 23
Adv. Dec. 23.

Bridges

Dec. 27 New Jersey ..... Dec. 16
Dec. 28 Pensacola, Fla. ..... Dec. 2
Dec. 28 Las Cruces, N. M. ..... Dec. 16
Jan. 4 Boston, Mass. ..... Dec. 16
Jan. 5 Stone Cliff, W. Va. ..... Dec. 9
Adv. Dec. 9 to 23.
Jan. 5 Wichita, Kan. ..... Dec. 23
Jan. 5 Florida ..... Dec. 23
Jan. 10 Bridgeport, Conn. ..... Dec. 23

Excavation, Drainage, Irrigation, Levees, River and Harbor

Dec. 27 New York, N. Y. ..... Dec. 23
Dec. 28 Fond du Lac, Wis. ..... Dec. 23
Jan. 5 La Mesa, Calif. ..... Dec. 23
Jan. 8 Gothenburg, Neb. ..... Dec. 16
Jan. 10 Iowa ..... Dec. 16

Streets and Roads

Bids close — *See Eng. News-Record*

Dec. 27 New Jersey ..... Dec. 16
Dec. 27 Cincinnati, O. ..... Dec. 23
Dec. 27 Durant, Miss. ..... Dec. 23
Dec. 28 Oklahoma City, Okla. ..... Dec. 23
Dec. 28 Wellington, Tex. ..... Dec. 16
Dec. 28 New Mexico ..... Dec. 16
Dec. 28 Oswego, Kan. ..... Dec. 2
Dec. 28 New York ..... Dec. 9
Adv. Dec. 9 to 23.
Dec. 29 Virginia ..... Dec. 16
Dec. 29 Brooklyn, N. Y. ..... Dec. 23
Dec. 30 Cincinnati, O. ..... Dec. 23
Jan. 3 Martinez, Calif. ..... Dec. 23
Jan. 3 San Diego, Calif. ..... Dec. 23
Jan. 5 Wichita, Kan. ..... Dec. 23
Jan. 5 Florida ..... Dec. 23
Jan. 6 Dillon, S. C. ..... Dec. 16
Adv. Dec. 16 and 23.
Jan. 6 Vero Beach, Fla. ..... Dec. 16
Adv. Dec. 9 to 23.
Jan. 7 Kentucky ..... Nov. 11
Jan. 7 Kentucky ..... Dec. 9
Jan. 7 Pennsylvania ..... Dec. 16
Adv. Dec. 16 and 23.
Jan. 10 Birmingham, Ala. ..... Dec. 16
Jan. 10 New Jersey ..... Dec. 23
Adv. Dec. 23.
Jan. 10 Evansville, Ind. ..... Dec. 23
Jan. 10 Birmingham, Ala. ..... Dec. 23
Jan. 10 Illinois ..... Dec. 23
Jan. 11 Willington, Tex. ..... Dec. 23
Jan. 12 Alabama ..... Dec. 23
Feb. 18 Kentucky ..... Dec. 16

Buildings—Commercial

Dec. 27 Hope, Arkansas ..... Dec. 23
Dec. 28 New York, N. Y. ..... Dec. 23
Dec. 28 Beaumont, Tex. ..... Dec. 16
Jan. 1 Wash., D. C. ..... Oct. 7
Jan. 4 Asbury Park, N. J. ..... Dec. 23
Jan. 5 Marksville, La. ..... Dec. 2
Jan. 10 Norwood, Mass. ..... Dec. 23
Jan. 12 Albany, N. Y. ..... Dec. 9
Adv. Dec. 16 and 23.
Jan. 14 Indianapolis, Ind. ..... Dec. 23
Jan. 15 New Philadelphia, O. ..... Dec. 9

Buildings—Industrial

Dec. 30 Turlock, Calif. ..... Dec. 23
Jan. 1 Salem, O. ..... Sept. 30

Buildings—Educational, Religious

Dec. 28 Merchantville (Ind. br. Camden), N. J. ..... Dec. 16
Dec. 28 Royal Oak (Ind. br. Detroit), Mich. ..... Dec. 23
Dec. 29 West Milwaukee (Milwaukee P. O.), Wis. ..... Dec. 23

Bids close — *See Eng. News-Record*

Dec. 30 Milwaukee, Wis. ..... Dec. 16
Jan. 1 Wash., D. C. ..... Oct. 7
Jan. 3 L'Anse, Mich. ..... Nov. 11
Jan. 4 Los Angeles, Calif. ..... Dec. 23
Jan. 5 Detroit, Mich. ..... Dec. 23
Jan. 6 Erie, Pa. ..... Dec. 16
Jan. 7 Gretna, La. ..... Dec. 23
Jan. 10 Taunton, Mass. ..... Dec. 9
Jan. 10 Holyoke, Mass. ..... Dec. 23
Feb. 1 Wash., D. C. ..... Oct. 7

Federal Government Work

Dec. 28 Waterproofing—Sheridan, Wyo. ..... Dec. 2
Dec. 28 Quarters—Oteen, N. C. ..... Dec. 2
Dec. 29 Solarium—San Diego, Calif. ..... Dec. 16
Dec. 29 Roof—Wash., D. C. ..... Dec. 9
Dec. 29 Dredging—New York, N. Y. ..... Dec. 16
Dec. 30 Dredge Pipe—Memphis, Tenn. ..... Dec. 16
Adv. Dec. 9 to 23.
Dec. 30 Engine, etc.—Memphis, Tenn. ..... Dec. 9
Adv. Dec. 9 to 23.
Jan. 3 Operating Machinery—Louisville, Ky. ..... Dec. 9
Adv. Dec. 9 to 23.
Jan. 3 Hangars—Fort Sam Houston (Sta. San Antonio), Tex. Dec. 16
Jan. 3 Pumping Units—Washington ..... Dec. 23
Jan. 4 Wharf Repairs—Fort Mason (mail San Francisco), Calif. ..... Dec. 23
Jan. 5 Motor, etc.—San Francisco, Calif. ..... Dec. 16
Jan. 6 Pump — San Francisco, Calif. ..... Dec. 16
Jan. 6 Repairing Walls—San Juan, Porto Rico ..... Dec. 16
Jan. 7 Post Office—Madison, Wis. Dec. 16
Adv. Dec. 16 and 23.
Jan. 11 Alterations—New York, N. Y. ..... Dec. 16
Jan. 12 Roads and Walks—San Diego, Calif. ..... Dec. 16
Jan. 12 Dredge—Wash., D. C. ..... Dec. 16
Jan. 14 Extension—Missoula, Mont. ..... Dec. 2
Jan. 19 Pier—Pearl Harbor, T. H. Dec. 2
Jan. 19 Radio Tower—Jupiter, Fla. Dec. 16
Jan. 20 Towboat—St. Louis, Mo. ... Dec. 9
Jan. 20 Dredge Tender—Norfolk, Va. ..... Dec. 23
Adv. Dec. 23.
Jan. 20 Dredging—New York, N. Y. Dec. 23
Adv. Dec. 23.
Feb. 7 Tug—Mobile, Ala. ..... Dec. 16
Adv. Dec. 16 and 23.

See proposal advertising on page 106

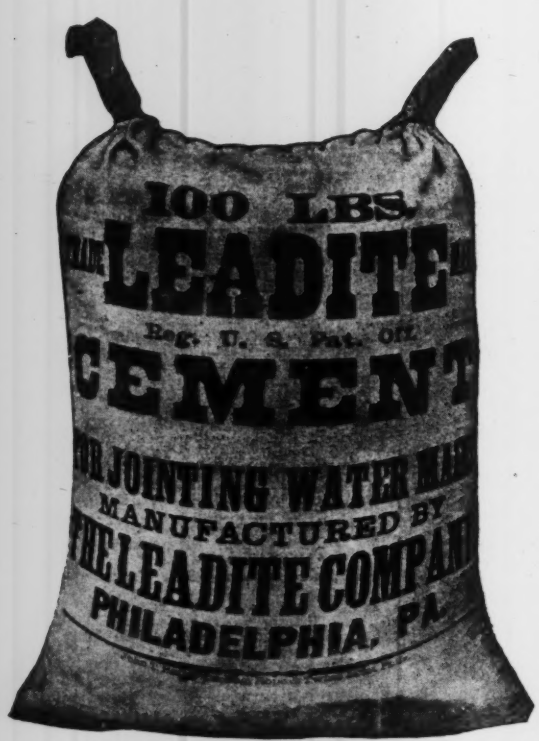
Constr. News page 401

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

A list of the Country's principal cities, large and small—

Is a list of the satisfied users of LEADITE.

Leadite Users are Leadite Boosters



EAST or West, North or South, take your pick of the cities—and you'll find many of them on the customer list of Leadite—

The country's principal cities, large and small—the country's representative water works engineers, construction companies and water works departments of industrial plants, railroads and mines are strong for Leadite for jointing cast iron water mains—

Are demonstrating what you will be able to do when you use Leadite—

What, for instance?—

You will do away with the need for caulking—or the need for digging out for large bell holes.

You will be able to use Leadite for all sizes of pipe from 4 in. to 60 in. diameter—under all pressures and conditions—

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1511 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Unclassified

Bids close	See Eng. News-Record
Dec. 24	Steam Heating Plant—Cleveland, O. ..... Dec. 23
Dec. 24	Borings—Corona (Ind. sta. Flushing), N. Y. ..... Dec. 16
Dec. 29	Elimination of Grade Crossing—Phila., Pa. ..... Dec. 9
Dec. 30	Repairing Pier—New York, N. Y. ..... Dec. 23
Jan. 19	Street Lighting System—Marcy, N. Y. ..... Dec. 16

Materials

Bids close	See Eng. News-Record
Dec. 27	Frogs, Crossings, etc.—Phila., Pa. ..... Dec. 23
Dec. 28	Insulated and Track Bonding Wire—Phila., Pa. ..... Dec. 23
Dec. 28	Lumber, etc.—Nevada, Ia. Dec. 23
Dec. 28	Lumber, etc.—West Union, Ia. ..... Dec. 23
Dec. 29	Copper Rail Bonds, etc. — Phila., Pa. ..... Dec. 23
Dec. 29	Liquid Chlorine—Milwaukee, Wis. ..... Dec. 23
Dec. 30	Portland Cement—Two Rivers, Wis. ..... Dec. 23
Dec. 30	Lumber, etc.—Greenfield, Ia. ..... Dec. 23
Dec. 30	Gasoline and Oil—Austin, Tex. ..... Dec. 9
Jan. 5	Lumber, etc.—Corning, Ia. Dec. 16

News of New Work

Waterworks

Proposed Work

N. Y., Syracuse—Made plans new storage reservoir, and extending (3rd) 30 in. water conduit from town of Camillus to one of the two reservoirs. $1,500,000-$2,000,000. N. F. Pitts, Jr., City Hall, engr.

Fla., Tallahassee—Voted $79,000 bonds, waterworks improvements.

Tenn., Wartrace—Making plans municipal waterplant. Project fostered by civic organization. Engineer not selected.

O., Canton—Water Comn. takes bids in spring purchasing new water site and pumping equipment, also sinking new wells, etc. McDonaldsville Rd. $100,000. W. E. Sarver, City Hall, engr.

Mo., Macon—Making surveys, etc., improving water and light plant. Burns & McDonald Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., Mound City—Making plans improving waterworks, incl. pump house, pumps and motors. $5,500. Henningson Eng. Co., Natl. Bank Bldg., Omaha, Neb., engrs.

Tex., Mart—Voted $15,000 bonds waterworks improvements, etc. Address Mayor. Noted Nov. 25.

Tex., Weslaco—Boca Chica Beach, Inc., c/o E. D. Clark, takes bids about Jan. 1, waterworks, incl. distributing system, engine, pumps, etc. $30,000. E. M. Card, Weslaco, ch. engr.

Wash., Aberdeen—Plans water system, incl. 125 cu.ft. per sec. from Wynooche River, to supply domestic and manufacturing demand. $700,000.

Wash., Mount Vernon — Plans water system utilizing Day Creek. Engineer not selected.

Wash., Wenatchee—Washington Water Power Co. making plans 3 mi. pipe line to supply orchards of Beebe Fruit Co. $40,000-$50,000. C. C. Ward, engr.

California—State made preliminary estimates concrete arch type dam, with outlet gates, 112 ft. high, in Rector Canyon, $175,000; and wrapped steel pipe lines, approximately $225,000. P. Bailey, Forum Bldg., Sacramento, state engr.

Calif., Arcadia — Voted $188,000 bonds, water system and improvements. Noted Oct. 28.

Calif., Lockeford — San Joaquin Water Wks. Dist. 1, plans boring well, installing pump, constructing storage tank, etc. $15,-000. J. Henning, Lodi, engr. Noted Aug. 26.

B. C., North Vancouver—Plans election in January, $50,000 bonds, completing Rice Lake storage reservoir, and $25,000 bonds, 2 mi. mains from Kennedy Lake pipe line to Capilano Dist. C. S. Hanes, City Hall, engr.

Bids Desired

Pa., Conneaut Lake—Jan. 7, by Boro. Council, erecting 20,000 gal. wooden water tank with all appurtenances and control apparatus connecting with pumping station. Hill & Hill, Marine Bank Bldg., Erie, civil engrs.; adv. E. N.-R. Dec. 23. Noted Dec. 2.

N. C., Henderson — Jan. 12, by S. R. Chavasse, mayor, complete water purification works, incl. subsidence basins, filters with filter equipment and piping, clear water basin, brick building, filter housing, pump room, chemical storage, etc. W. C. Olsen, Rg. B. & L. Bldg., Raleigh, engr. Noted Aug. 19.

Fla., Tallahassee — Jan. 11, by B. H. Bridges, city aud. and clk., deep well pump; adv. E. N.-R. Dec. 23.

O., Mansfield—Dec. 30, by F. B. Wolff, dir. Serv., 3 deep well pumps with remote control, and 1 centrifugal motor driven pump, 1 m.g.d. capacity. W. C. Stalley, city engr.

Ill., Washburn—Jan. 10, by City, deep well, brick pump house, pumping machinery and stand pipe. Kinsey Eng. Co., Pekin, engrs. Noted Nov. 4.

Wis., Gillett — Dec. 30, by P. Nygaard, village clk., two 500 g.p.m. horizontal, split case, bronze fitted centrifugal pumps; 1 gasoline engine power unit; one 30 to 35 hp. and one 20 to 25 hp. squirrel cage automatic motor starter; 1 extra float switch and float. P. L. Clark, Menasha, engr.

Wis., Menasha—Jan. 4, by J. F. DeCaro, city clk., one 1,500 g.p.m. centrifugal pump and 75 hp. motor for water plant.

Wis., Milwaukee—Dec. 29, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 3,000 each ¾ in. and ⅝ in. and two hundred and fifty 1 in. meter cocks, 6,000 each ¾ in. and ⅝ in. and five hundred 1 in. meter couplings, one thousand five hundred ⅝ in. and three thousand five hundred ¾ in. corporation cocks, two thousand ¾ in. and three thousand five hundred 1 in. curb cocks, 125 D and 100 DD stop cock boxes, 250 covers, 100 top sections, 25 D and 100 DD middle sections, 300 extension pieces, one thousand thirty-five 6- to 16-in. gate valves, etc., for Water Dept.

Wis., Two Rivers—Dec. 30, by R. Biehl, city mgr., 112 tons 8 in., 135 tons 6 in., and 3 tons 4 in. c.i. pipe, also 8 tons special castings.

Okla., Maud—City in market new 50 gal. capacity deep well pump and motor. L. H. Ogee, mayor.

Calif., Stockton — E. Graham, clk. San Joaquin Co. Water Wks. Dist. 1, taking bids furnishing and installing well, pump and motor, pipe, valves, hydrants, etc. J. Henning, Lodi, engr. Noted Dec. 23 under "Lockeford."

Calif., Tracy—Jan. 3, by W. Schlossman, secy. Banta-Carbona Irrigation Dist., furnishing and installing centrifugal pump, 60 cu.ft. per sec. capacity, 35 ft. head, 4 centrifugal pumps, 25 ft. head, also motors, starters, relays, etc. T. H. Means, 215 Pine St., San Francisco, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Bids Received

Md., Baltimore—Mayor and City Council, City Hall, curb stop and roadway valve boxes to Bureau of Water Supply, from Casey-Hedges Co., Vulcan St., Chattanooga, Tenn., $7,400.

O., Lyndhurst (br. Cleveland) — From Angelo Marra Co., Engineers Bldg., Cleveland, mains in Ridgebury Rd. $4,639, and Ford Rd. $25,711; from Curro & Whittaker, Engineers Bldg., Cleveland, Brainard Rd. $22,216, Corydon Rd. $19,939, and Dorset Rd. $2,136.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Dec. 14, superstructures high and low pressure engine, boiler and coal receiving houses at Howards Bend Waterworks Sta., on Missouri River, in St. Louis Co., from Dunham Constr. Co., Chemical Bldg., $778,-141. Engrs. est. $900,000. Noted Nov. 11.

Calif., Sacramento — H. G. Denton, city clk., Dec. 2, from U. S. Cast Iron Pipe Co., Monadnock Bldg., San Francisco, 2,000 ft. 20 ft. c.i. pipe, $7,273; from Amer. Cast Iron Pipe Co., Balboa Bldg., San Francisco, 10,000 ft. 10 in., $13,070; from Natl. Cast Iron Pipe Co., Birmingham, Ala., 5,000 ft. 4 in. $2,346, 50,000 ft. 6 in. $36,005, and 25,000 ft. 8 in. $25,680; from Koppel Sales Co., Inc., Rialto Bldg., San Francisco, 450 ft. 24 in., $2,254. Noted Nov. 18.

Calif., San Luis Obispo — Supervs. San Luis Obispo Co., Dec. 6, water system for Water Works Dist. 2, at Morro, from E. W. Redman, Fresno, $29,915. Noted Nov. 25.

Contracts Awarded

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Washington and Wortman Aves., Front and Hemlock Sts., etc., to Empire Contg. Co., 100 West 89th St., New York City, $11,235. Noted Dec. 9.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bennett, 8th, Fort Washington Aves., etc., Manhattan Boro, to Melrose Constr. Co., 103 East 125th St., $15,400; and in Beach, Bronxwood, Gainsborg Aves., etc., Bronx Boro, to Knight & DeMicco, Inc., 448 East Tremont Aves., $5,870. Noted Dec. 9.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Fordham Rd., Park, East 3rd Aves., etc., to Riverdale Water Works Corp., 1 Riverdale Ave., $15,300. Noted Dec. 16.

N. Y., Syracuse—For 4,000 lin.ft. 16 in. mains and sewers in Carlton Rd. and Wadsworth Dr., to Bird & Strong, Wieting Bldg., $15,000. Noted Dec. 9.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 856, to J. B. McHugh, 892 North Markoe St., $12,984; Contr. 857, to Bulman Bros., 7th and Cumberland Sts., $2,664. Noted Dec. 16.

Va., Roanoke — Roanoke Water Co., 2 Salem Ave. E., concrete dam and filtration plant near Carvins Cove, to W. W. Boxley & Co., Boxley Bldg. Engrs. est. $180,000. Noted Dec. 16.

O., Cleveland — Cuyahoga Co., 6,006 ft. 6 and 8 in. c.i. main in McRae Ave. and vicinity, Impvt. 576, to J. B. Lynn Constr. Co., 16311 Saranec Rd., $16,271; also 16,-000 ft. 6- to 12-in. c.i. main in Columbia Rd., Impvt. 1451, to Joseph Kalill & Jackson, Triskett Rd., $76,407. Noted Dec. 16.

Ill., Peru—City, concrete condenser cooling water intake, to Hartmen-Clark Bros., Peoria Life Bldg., Peoria, $11,400.

Mo., Oregon — Relaying approximately 8,000 ft. 6 in. c.i. mains, etc., in various streets, to J. O'Neal, Leavenworth, Kan., $4,100. Noted Nov. 18.

Mo., Seymour — Drilling deep well, to Sewell Well Co., 1627 Locust Blvd., St. Louis; also steel tank on tower, pump and motor, and approximately 15,000 ft. 2- to 8-in. mains, etc., in various streets, to W. F. Plummer Corp., Union Natl. Bank Bldg., Springfield, $32,000. Noted Oct. 7.

Sewers

Proposed Work

Mass., Boston — Dept. Pub. Wks. plans sewerage works in various streets in West Roxbury and Dorchester. $26,000. J. H. Sullivan, comr.

N. Y., Syracuse — Made plans extending sewerage system, incl. sewers in old salt lands south of Onondaga Lake, etc. $1,000,000. N. F. Pitts, Jr., City Hall, engr.

Mich., Detroit — Dept. Pub. Wks., made plans miscellaneous concrete structures, incl. 16 x 36 ft. regulating chamber, 52 ft. 3 x 3 channel, four 30 x 36 in. connections to 11 ft. cylinder, four 24 in. automatic screen regulators, eight 8 in. sluice gates, etc. in Jefferson Ave. at Owen Park. P. A. Fellows, city engr.

Ill., Kewanee—Making plans sewerage system. $25,000. Burns & McDonell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Constr. News page 402

--answering your Questions regarding High Early Strength Concrete

(Made with *standard* Universal cement)

Question	Answer
1. What is High Early Strength *Universal* Concrete?	Concrete with a *3-day* strength equal to the *28-day* strength of ordinary concrete. It is made by applying thoroly tested methods and standard (not special) *Universal* cement.
2. What is its chief advantage?	Saves time! Road and street tie-ups shortened or eliminated; foundations, buildings, sidewalks and concrete improvements of all kinds are made ready for use in *3 days* instead of *3 weeks.*
3. What additional advantage is there?	Increases strength! Concrete so made is not only as strong in 3 days as ordinary concrete is in 28 days, but is much better and much stronger concrete forever after than concrete as ordinarily produced.
4. Is its use restricted to certain kinds of jobs?	High Early Strength *Universal* Concrete may be used on *any* concrete job.
5. Has High Early Strength *Universal* Concrete been fully tested?	Thousands of laboratory tests, years of experiment and hundreds of actual jobs prove the value of High Early Strength *Universal* Concrete.
6. Is a special grade of *Universal* cement required for High Early Strength *Universal* Concrete?	Standard *Universal* cement is used—identically the same quality *Universal* cement and at the same price as used in ordinary *28-day concrete.*
7. Where can I get detailed information on High Early Strength *Universal* Concrete?	The coupon below will bring full details promptly.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street Chicago.

Without obligation please send me detailed information on methods for securing strong concrete in 3 days with standard Universal (not special) cement that is, with the same quality Universal cement and at the same price as regularly used for any concrete work.

Name .....

Address .....

E. N.-R. 12-23-26

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Sewers (Continued)

Ill., Quincy—Election in April, $550,000 bonds, complete sanitary sewerage systems for various sections. J. F. Jasper, mayor.

Ill., Springfield — Springfield Sanitary Dist. plans small sewers in various streets. $75,000.

Wis., Rice Lake—Making plans 3 aerator tanks, 1 Dorr clarifier, 1 sludge tank, 1 sludge bed, 2 pumps and extending sewers in various streets. $37,000. J. H. A. Brantz, 214 Builders Exch. Bldg., St. Paul, Minn., engrs.

Mo., St. Joseph—Making plans constructing Brookdale Relief Sewer. $800,000. Leslie Eng. Co., 820½ Felix St., consult. engrs. Noted Aug. 5.

Mo., St. Louis—See "Bids Desired."

Mo., Springfield — Bd. Pub. Serv., 208 City Hall, soon takes bids 9,832 ft. 8- to 12-in. sewer in Dist. 6, Sect. 1; and approximately 2 mi. 8 and 10 in. sewers, etc., in Dist. 2, Sect. 44. S. R. Fisher, City Hall, engr.

Tex., Pearsall—Plans election $60,000 bonds, sewerage system, probably disposal plant. Address Mayor.

Tex., San Antonio—Making preliminary plans approximately 24 in. sewer in 9 blocks South Medina St. $40,000. I. Ewig, city engr.

Okla., Sand Springs—Plans sewers, etc., in various streets. $40,000. W. E. Davis, Cole Bldg., Tulsa, engr.

Calif., Chico — Making plans extending sewerage system in Mansion Park Tract, etc. $25,000 or more. R. Witt, city engr.

Calif., Culver City — Plans sewers in Clarksdale Annexation Dist. $25,000 or more. Koebig & Koebig, Title Insurance Bldg., Los Angeles, engrs.

Calif., Huntington Park—City plans purchasing 26,000 ft. 6- to 10-in. vitr. clay sewer pipe.

Calif., Los Angeles — Made plans constructing Sect. 2 Jefferson St. Storm Drain, 6,624 ft. 30- to 66-in. light and 13,453 ft. 27- to 66-in. medium concrete storm drain, 23,196 ft. 12- to 21-in. cement pipe, and 635 ft. 6 and 8 in. sanitary sewers.

Calif., Oakland—Made plans 29,800 ft. 8 in. vitr. sewer, 124 ft. 8 in. vitr. sewer in concrete, also 10,846 ft. 6 in. house connections, etc., in Adams and Piedmont Aves., etc., Sewer Dist. 9. W. W. Harmon, city engr.

B. C., Vancouver—Voted $350,000 bonds, new sewers in various streets. C. Brackenridge, City Hall, engr. Noted Nov. 25.

Bids Desired

N. J., Neptune City (mail Avon by-the-Sea)—Jan. 5, by Boro Council, E. McClelland, clk., 49,720 ft. 5- to 15-in. terra cotta and 3,200 ft. 8 and 12 in. c.i. etc. in various streets. Remington & Vosbury, 509 Cooper St., Camden, engrs. Noted Aug. 19.

Pa., Phila.—Dec. 29, by Dept. Pub. Wks., Bureau of Engineering, main sewers in G. St., Packer Ave., Upsal St. and Washington Lane; also sewage disposal plant at 80th St. G. H. Biles, dir.

Fla., Orlando—Jan. 5, by City Comrs. at office J. A. Stinson, clk., City Hall, sanitary sewers in 3 dists. M. Macartney, Room 208, City Hall, city engr.; adv. E. N.-R. Dec. 23.

Ala., Birmingham — See "Streets and Roads."

Mich., Detroit — Dec. 29, Dept. Water Supply, 176 East Jefferson Ave., removing present sewer and constructing 330 ft. steel lined concrete or 370 ft. 36 in. steel sewer, etc. east of filtered water reservoir. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Mich., Detroit — Dec. 29, by Dept. Pub. Wks., constructing 5,013 ft. concrete sewer in West End Ave. Storm Sewer in Medina West End, Silver and Springwells from River Rouge to Fort St.; also 4,460 ft. cylinder sewer in Witt Ave. Arm, West End Ave. Sewer in Springwells Ave. P. A. Fellows, City Hall, city engr. Noted Dec. 2.

Mich., Pontiac—Jan. 7, at office H. A. Maurer, city clk., City Hall, constructing Sect. 1, East Side Drain. J. R. Pollock, city engr.; adv. E. N.-R. Dec. 23.

Ill., Chicago—Jan. 20, by H. E. Wallace, clk. Sanitary District of Chicago, 910 South Michigan Ave., for Div. C, pumping station substructure, etc., South of West Pershing Rd. and west of South 52nd Ave., in Stickney. M. Rosenberg, chn. finance com.; adv. E. N.-R. Dec. 23.

Wis., Two Rivers—Dec. 30, by R. Biehl, city mgr., 20 carloads 6- to 12-in. standard, and 15- to 24-in. double strength sewer pipe.

Mo., St. Louis — Jan. 18, by Bd. Pub. Serv., 208 City Hall, Gasconade Public Relief Sewer Outlet, 1,660 ft. 33- to 36-in. vitr. clay or 1,660 ft. 36- to 39-in. segmental block pipe, $25,300; also made plans sewers in South Hurst Sewer No. 1 $10,000, and Glaise Creek Dist. 27 $6,200. W. W. Horner, 300 City Hall, engr.

Okla., Ponderеek — Dec. 28, by M. E. Allen, city clk., 28,900 ft. 8- to 15-in. vitr. clay sewers in all streets, sewage disposal plant, etc. $50,000. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Dec. 2.

Okla., Seminole—Jan. 4, by E. Magruder, city clk., 19,000 ft. 8 and 10 in. vitr. clay sewer extensions in Sewer Dist. 3. $27,000. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Dec. 16.

Calif., Los Angeles — Taking new bids sewer in Hyperion St. and Fountain Ave. Former bids rejected.

Calif., Ventura—Dec. 31, by Supervs. Ventura Co., 400 ft. 36 in. diam., rein.-con. storm water sewer. C. W. Petit, Ventura, co. surv.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Dec. 15, repairs to mechanical equipment, Gowanus Pumping Station, at head Gowanus Canal, from C. Livingston Ricker, Inc., $6,500; repairs to 26th Ward Disposal Plant, foot Hendrix St., from M. Barash, 60 Bergen St., $25,422. Noted Dec. 9.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Dec. 17, sewer basins in 46th and Auburndale Aves., from J. W. Szantowicz, 490 Boulevard St., $635; sewers in 88th St., from G. A. Everett 161-03 Jamaica Ave., Jamaica. **(3a)** $51,195 and **(3b)** $46,098; and from Welsh Bros. Contg. Co., 32 Queens St., **(4a)** $106,251 and **(4b)** $87,963, in Fairview Ave., from J. Gallo, 30th and State Sts., Elmhurst $4,850. Noted Dec. 16.

O., Cincinnati—Director Pub. Serv., Dec. 2, Duck Creek Interceptor, 4,658 ft. 30 in. concrete, or segmental block, and 3,000 ft. 8 in. vitr. clay pipe, from Murdock Constr. Co., 4701 Main Ave., Norwood, $45,152. Engrs. est. $57,400.

O., Lyndhurst (br. Cleveland) — From Angelo Marra Co., Engineers Bldg., Cleveland, sewer in Ford Dr., $35,133; from Curro & Whittaker, Engineers Bldg., Cleveland, Brainard Rd., $31,937, Corydon Rd. $27,888, and Dorset Rd. $3,656.

Okla., Braman — Storm and sanitary sewers, also sewage disposal plant, from Asplund Constr. Co., Enid, $29,170. Noted Nov. 25.

Calif., Belvedere—Bd. Pub. Wks., Dec. 6, from Harmon Co., 1501 Mission Rd., Alhambra, sewers in various streets, 44,550 ft. 8 in. cement pipe at $1.40 per ft., 330 ft. 10 in. $1.50, 1,830 ft. 12 in. $1.60, 12 ft. 8 in. $1.24, 12 ft. 12 in. $1.36, etc., total $114,534.

Calif., Los Angeles—Los Angeles Co., approximately 9 mi. cement sewers in Belvedere Dist., Co. Impvt. 151, from Harmon Co., 1501 Mission Rd., Alhambra, approximately $114,515.

Contracts Awarded

Mass., West Roxbury (Boston P. O.)—City of Boston, sewerage works in various streets, here, to M. DeSisto Co., 198 La Grange St. Engrs. est. $25,000. Noted Oct. 14.

Conn., Stamford—Sewage pumping station, to Gabriel, Carabee & Poccia Bros., Harrison, N. Y., $48,950. Noted Dec. 9.

N. Y., Jamestown — City Council, City Hall, sewage treatment plant, to Forbes-Murphy Constr. Co., 406 St. Paul St., Baltimore, Md., $139,928. Noted Dec. 9.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Wallace Ave., to Coddington Avenue Contg. Co., 2883 Coddington Ave., $68,902; and in Philip Ave. to C. W. MacDonald, $16,294. Noted Dec. 16.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, additional electric pump at Mersereau Ave. Pumping Station, to J. W. Hooley, Grand Central Terminal, New York City, $1,835. Noted Dec. 2.

N. Y., Syracuse—See "Waterworks."

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewers in Sandy Run Extension, to Richards-Kelly Co., Widener Bldg., $46,952; St. Vincent St., to Perna Eng. & Contg. Co., 752 South 10th St., $13,914; and Monastry Ave., to Mazzola & Marano, 739 South 7th St., $15,275. Grand total $76,141. Noted Dec. 16.

O., Parma (br. Cleveland)—Constructing "Group A" sewer, to D. Rossi-Marceletti Co., 11700 Willard Rd., Garfield Heights, $101,081.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to Shabart-Rauoch Inc., 2003 41st St., concrete sewers in Beecher St., $292; to F. E. Kaminski, 745 46th Ave., Blue Mound Rd., $3,892; to P. & L. Co., 038 Edgewater Ave., Concordia Ave. $780, Melvina St. $959, and 7th St. $3,954; to A. H. Koch, 2917 Grand Ave., Bruber Ave., $2,367; to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., Ohio Ave., $1,209, to Clayton Constr. Co., Port Washington Rd. and Gruber Ave., Pease St., $6,865; and to W. T. Werner, 675 Hi-Mount Blvd., Roosevelt Dr. $16,386, and 26th St. $1,760. Grand total $38,464. Noted Dec. 16.

Mo., St. Louis—See "Streets and Roads."

Okla., Sand Springs—For 15,370 ft. 18- to 96-in. sewers in various streets, to H. L. Cannady Co., 1116 South Lewis St., Tulsa, $162,510. Noted Nov. 25.

Waste Disposal

Proposed Work

Ga., Atlanta—Plans ash chute, and additional disposal unit at incinerator. $77,000. A. Sims, mayor.

Bridges

Proposed Work

Virginia—See "Streets and Roads."

Tennessee—See "Streets and Roads."

Tenn., Donaldson—State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Stones River, on Nashville-Lebanon Rd., Davidson Co., near here. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Madisonville — E. J. Foute petitioned Monroe Co. Court for privilege erecting probably concrete and steel toll bridge over Tennessee River near here. To exceed $25,000. Noted Feb. 18.

Tenn., Old Hickory—Davidson Co. Highway Comn., Nashville, takes bids after Feb. 1, rein.-con. and steel bridge across Cumberland River, near here. $1,000,000. Freeland & Roberts, Independent Bldg., Nashville, engrs. Noted Nov. 11.

Ind., Indianapolis — Bd. Park Comrs. made plans 70 ft. span concrete bridge over Pleasant Run ,at Garfield Park. $35,000. J. E. Perry, City Hall, engr.

Ill., Cairo—Cairo Bridge Co., c/o H. E. Bovay, Stuttgart, Ark., plans 2 concrete and steel bridges across Mississippi River. Original plans for 1 bridge abandoned. $3,000,000. Noted Oct. 21.

Ill., Chester—Dravo Contg. Co., Neville Island, Pittsburgh, Pa., plans steel and concrete bridge over Mississippi River, here. $750,000.

Ill., East St. Louis—City, Terminal R.R. Assn., Union Sta., St. Louis, Mo., H. J. Pfeifer, ch. engr., and Southern Ry. Co., 1300 Pennsylvania Ave., Chicago, Ill., B. Herrman, ch. engr., plan rein.-con. viaducts over State St. from Ridge Ave. to point near College Ave., also widening State St. from 42 to 56 ft. under viaduct, and depressing street from 6 to 8 ft. $500,000. City, Railroads and East St. Louis & Suburban Ry. Co. appropriate toward cost.

Mo., Bellefontaine—F. L. McCawley et al, Carthage, making preliminary plans rein.-con. and steel bridge to have two 430 ft. main spans over Missouri River, about 8.5 mi. above Mississippi River, here. $1,000,000.

Ark., Baucum (mail Scott) — Willow Beach Golf Club and Willow Beach Amusement Co., c/o A. M. Lund, engr., 527 Home Insurance Bldg., Little Rock, making surveys rein.-con. bridge and levee work across Old River, here. $35,000 up.

Tex., Edinburg—See "Streets and Roads."

Tex., Port Arthur — Jefferson Co. and Texas & New Orleans R.R. Co. (operated by Southern Pacific Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco), made plans 100 ft. bascule bridge with concrete approaches across main highway. $275,000. Address S. T. Treadway, Port Arthur, company engr.

Tex., Sanderson — Southern Pacific Ry. Co., H. M. Lull, ch. engr., Houston, made plans and takes bids after Jan. 1, rein.-con. bridge over Sanderson Creek, near here. $125,000.

Ont., Windsor—Canadian Pacific R.R., Windsor Sta., Montreal, J. M. Fairbairn, ch. engr., making plans 100 ft. single span steel and concrete girder bridge over railroad tracks, on Wyandotte St., here. $60,000.

B. C., North Vancouver—Plans election in January, $80,000 bonds, steel truss bridge and approaches over Seymour Creek across Cutter Island, on Main St. C. S. Hanes, City Hall, engr.

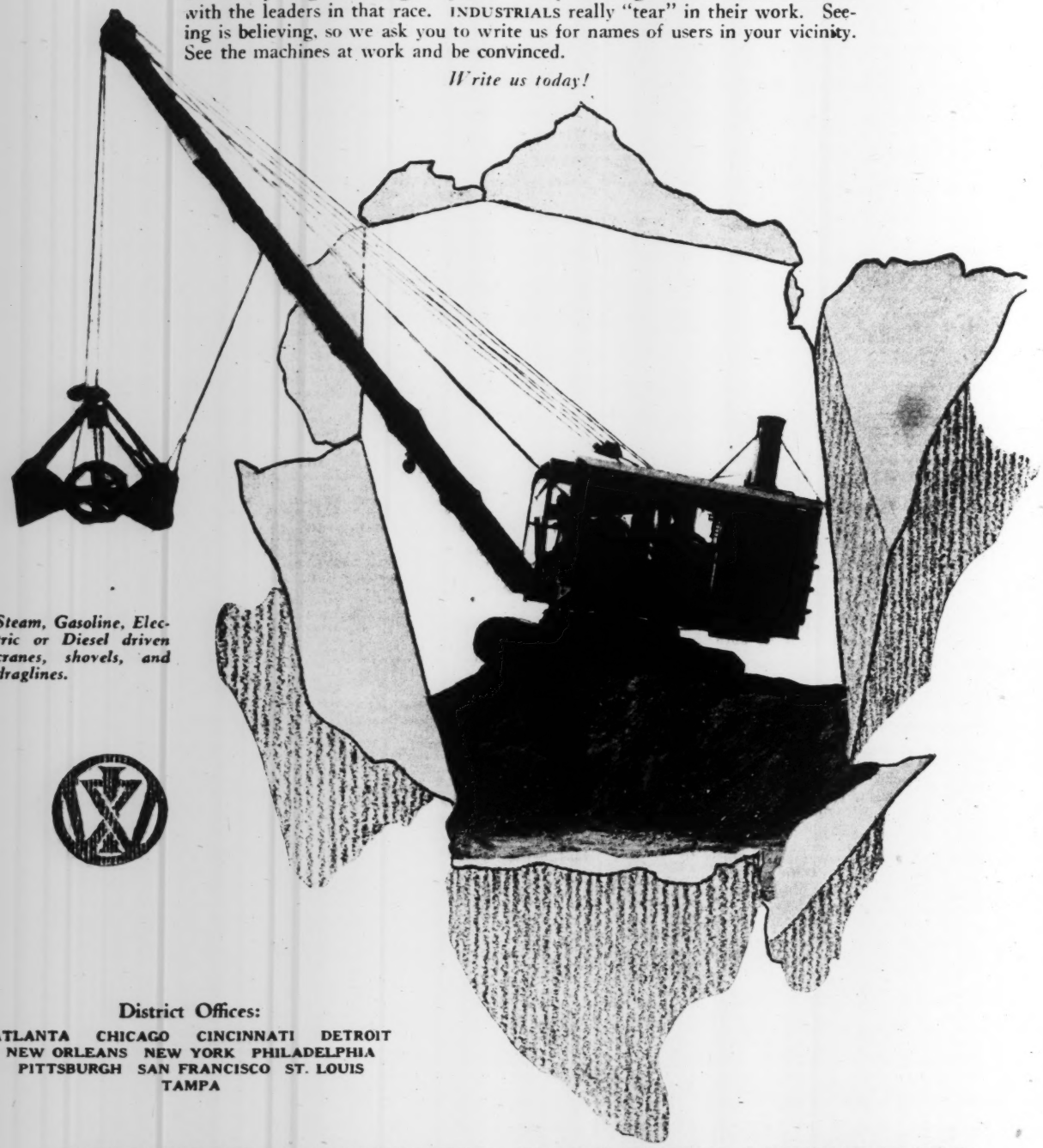
Constr. News page 403

IT TEARS

AS quickly as you could have crashed your fist through this page, the INDUSTRIAL crawler machine will dig into its work—and just as easily, too.

An INDUSTRIAL owner's engineer writes us: "I not only think the INDUSTRIAL crawler is the best built machine on the market, but it is the fastest!" Speed in production, speed on the road, speed at sea, speed in the air—everything is turning to speed in this present age and the INDUSTRIAL is with the leaders in that race. INDUSTRIALS really "tear" in their work. Seeing is believing, so we ask you to write us for names of users in your vicinity. See the machines at work and be convinced.

Write us today!



Steam, Gasoline, Electric or Diesel driven cranes, shovels, and draglines.

District Offices:

ATLANTA CHICAGO CINCINNATI DETROIT
NEW ORLEANS NEW YORK PHILADELPHIA
PITTSBURGH SAN FRANCISCO ST. LOUIS
TAMPA

INDUSTRIAL WORKS, BAY CITY, MICHIGAN

Bridges (Continued)

Bids Desired

Conn., Bridgeport — Jan. 10, by Bridge Comm., (from selected list of bidders), 3 span 200 ft. concrete and steel double deck bascule span bridge, and temporary draw bridge, incl. 60 ft. roadway, two 10 ft. sidewalks, etc., on Stratford Ave. $895,000. E. J. Buegler, Cheshire, engr. Noted Dec. 16.

New Jersey—See "Streets and Roads."

Florida — Jan. 5 by State Road Dept., Tallahassee, **(F.A.P. means Federal Aid Project and Rd. Road)** 120 ft. rein.-con. overhead crossing over Atlantic Coast Line R.R. tracks, on F.A.P. 50-A, Rd. 14, Putnam Co.; 8 rein.-con. bridges Project 614, Rd. 5, Sarasota Co.; 35 ft. span 915 lin.ft. creosoted timber bridge, Projects 655 and 667, Rd. 18, Highlands and DeSoto Counties; and 488 ft. creosoted timber bridge over Perdido River, Project 697, Rd. 1, Escambia Co., J. L. Cresap, highway engr.

Kan., Wichita—Jan. 5, by Clerk Sedgwick Co., one 40 ft., twelve 30 ft. and two 140 ft. span truss and deck girder bridges, on Federal Aid Project 344-B. M. Roseberry, Wichita, co. engr.

Bids Received

South Carolina—See "Streets and Roads."

Mo., Cape Girardeau—Cape Girardeau Bridge Co., c/o Chamber of Commerce C. L. Harrison, chn., substructure 4,200 ft. concrete and steel bridge over Mississippi River, from U. G. L. Contg. Co., Broad and Arch Sts., Phila., Pa.; and superstructure for same, from Amer. Bridge Co., 2088 South La Salle St., Chicago, Ill. Noted Dec. 2.

Contracts Awarded

N. Y., White Plains—Supervs. Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, 2 stone faced rein.-con. bridges on Hutchinson River Parkway, here and at Harrison, to Suburban Eng. Co., 16 West 38th St., New York City, $297,205; and to Toney Miele, 34 5th Ave., New Rochelle, $218,324. Noted Nov. 18.

Pennsylvania—State Hy. Dept., Harrisburg, bridge on Project 219-C, Warren Co., to Porterfield-Bigner, Youngstown, O., $162,121.

Delaware—State Hy. Dept., Dover, superstructure Market St. Bridge over Christiana River, Wilmington, Contr. 72A, to Bethlehem Steel Co., Widener Bldg., Phila., Pa., $236,838; clearing, grubbing, grading and concrete paving, etc. 2.82 mi. Adamsville-Hickman Rd., Contr. 74, and 0.28 mi. Greenwood-Adamsville Rd., Contr. C. S. 56, to W. W. Truitt, Lincoln City, $66,125 and $93,818 respectively. Grand total $396,781. Noted Dec. 9.

Alabama—State Hy. Comn., Montgomery, small concrete bridges on Guin-Hamilton Rd., Marion Co., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, $50,000.

Dams

Proposed Work

N. C., Lenoir — Shuford & Laxton Co., Charlotte, plans large dam on Wilson Creek, in Pisgah Natl. Forest near here, for hydro-electric power development.

Contracts Awarded

B. C., New Westminster—Dominion Government, Ottawa, Ont., completing dam (by placing rock along both sides) across Woodwards slough in Fraser River, here, to Fraser River Pile Driving Co., 150 Front St., $40,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Deal—Boro Council, C. Conover, clk., plans 6 jetties, foot of Neptune, Sidney, Hathaway, Deal, Darlington and Rosold Aves. $40,000.

N. J., Manasquan — Common Council plans widening and deepening channel, Manasquan River inlet, also constructing bulkhead. $25,000. Engineer not selected.

Mo., Bigelow—Tarkio D. D., G. W. Poynter, secy., Tarkio, postponed indefinitely construction approximately 5 mi. earth work for levee, approximately 800 ft. levee and bank protection, and raising two 100 ft. highway bridges, near here. $32,000. Leslie Eng. Co., 820½ Felix St., St. Joseph, engrs. Noted Oct. 28 under "Tarkio."

Tex., Brownsville—Cameron Co. Water Impvt. Dist. 6, c/o O. C. Dancy, Brownsville, co. judge, election Dec. 21, $600,000 bonds levees, drainage ditches, etc. W. O. Washington, Brownsville, co. engr.

Calif., La Jolla—See "Buildings—Commercial."

Bids Desired

N. Y., New York—Dec. 27, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, dredging Piers 58 to 61, North River, Contr. 1884.

Wis., Fond du Lac—Dec. 28 (extended date), by C. J. Fay, city clk., dredging and removing 175,000 cu.yd. earth from Lake Winnebago to Lakeside Park. Noted Dec. 16.

Calif., La Mesa—Jan. 5, by Directors La Mesa, Lemon Grove & Spring Valley Irrigation Dist., digging 6,700 ft. trench, 28 ft. wide, 46 ft. deep and backfill same, furnishing and constructing 6,700 lin.ft. pipe line (riveted steel, Matheson Joint Pipe or equal), etc.

Calif., Turlock—Dec. 30, by A. Sorenson, secy. Turlock Irrigation Dist., constructing Don Pedro Power Plant addition and installing 2 power units on Tuolumne River, Tuolumne Co., 1,600 cu.yd. excav., 435 ft. penstock tunnel, 2,000 cu.yd. concrete, 1,000 ton metal work, etc., for Turlock and Modesto Irrigation Dists.

Bids Received

Calif., Hanford—R. May, engr., Courthouse, Dec. 7, constructing ditch, 105,583 cu.yd. earthwork, from J. Phillips, 637 Santa Ray Ave., Oakland, for Tulare Lake Basin Com., c/o engineer, at $0.115 per cu.yd.

Streets and Roads

Proposed Work

N. Y., Syracuse—Made plans widening and resurfacing Geddes, James, South Salina Sts., etc. N. F. Pitts, Jr., City Hall, engr.

N. Y., Syracuse—Plans curbing, guttering and concrete paving 5,500 ft. Hiawatha St., 36 ft. $146,000. N. F. Pitts, Jr., City Hall, engr.

Virginia — State Hy. Dept., Richmond, plans expending $8,477,205 during 1927, improving roads and bridges in various counties: $1,000,000 is allocated as gap-closing fund of Richmond-Washington Highway between Petersburg and North Carolina State line. W. R. Neel, highway engr.

W. Va., Pineville—Baileyville Dist. election Jan. 11, $60,000 bonds, improving roads in Wyoming Co. A. B. Shannon, Pineville, engr.

W. Va., Pineville—Barkers Ridge Dist. election Jan. 11, $325,000 bonds, improving roads in Wyoming Co. A. B. Shannon, Pineville, engr.

Fla., Cedar Keys—Comrs. Levy Co. making surveys concrete paving ¾ mi. Sect. State Rd. 15, 120 ft. $750,000. W. R. Hodges, co. comr.

Fla., Coral Gables — Voted $4,500,000 bonds, constructing streets, golf grounds, buildings, etc.

Fla., Jacksonville — Comrs. Duval Co. making plans widening Riverside Ave. and 6 streets. $900,000. W. E. Sheddan, city engr.

La., Baton Rouge—East Baton Rouge Parish election soon $100,000 bonds, grading, curbing, sidewalks and paving North Blvd. extension to Jay Bird Lane, and Jay Bird Lane from North Blvd. to Jefferson Highway. R. Swart, Court House, engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, made surveys improving 16 mi. Greenfield-Martin Rd., via Sharon, Weakley Co. C. N. Bass, highway engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans expending $13,000,000 during 1927, improving roads and bridges, of which $2,500,000 will be expended for state maintenance work with state forces and equipment. C. N. Bass, Nashville, highway comr.

Tenn., Greeneville—Greene Co. and State Dept. Highways & Pub. Wks., Nashville, plan surfacing and reconstructing portion Lone Pipe Trail. $50,000. C. N. Bass, highway comr.

Tenn., Selmer—McNary Co. and State Dept. Highways & Pub. Wks., Nashville, plan constructing 15 mi. Selmer-Chester Co. line Rd., via Bethel Springs, during spring 1927. C. N. Bass, highway comr.

O., Columbus—Made plans grading, curbing, paving, etc., 3,510 sq.yd. Palmetto St. and Safford Ave., brick $25,682, asphalt $21,663. R. H. Simpson, city engr.

O., Dayton—Voted $450,000 bonds, brick, concrete and asphalt paving 36 streets during 1927. J. F. Hale, city engr.

O., New Philadelphia—Bd. Control takes bids in spring paving North Bway. from present paving to Belmont St., $25,000-$30,000; also South Bway. to city limits, $30,000. A. T. Rosch, New Philadelphia, engr.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, plans concrete surfacing, etc., 1,000 mi. roads during 1927. F. T. Sheets, highway engr.

Ill., East St. Louis—See "Bridges."

Ill., Dolton—Making plans rein.-con. and vitr. tile sewers in various streets. $250,000. Suhr, Berryman, Peterson & Suhr, 105 North Clark St., Chicago, engrs.

Wis., Sparta—Monroe Co. voted $99,838 bonds, grading and surfacing various roads. G. Goff, Sparta Co., highway comr.

Wis., Waukesha—Waukesha Co., H. W. Vroman, div. engr., 440 Milwaukee St., Milwaukee, making plans grading and concrete paving 4.3 mi. Eagle-Palmyra Rd., Trunk Highways 59 and 99, $120,000; 1.8 mi. Trunk Highways 83 and 59, $50,000; 4.1 mi. Trunk Highways 83 and 19, $112,000; and 5.2 mi. Blue Mound Rd., Trunk Highway 19, $150,000. J. T. Donaghey, Madison, ch. engr.

Ia., Montezuma—Poweshiek Co. election Jan. 20, $1,135,000 bonds, 6 in. concrete surfacing 24.5 mi. U. S. Road 32; and graveling 152 mi. various roads. C. E. Olson, Montezuma, co. engr. Noted Dec. 9.

Kan., Emporia—Lyons Co. making plans concrete surfacing 4.21 mi. Federal Aid Project 360-A, State Highway 11, 18 ft. W. S. Ruggles, Emporia, co. engr.

Kan., Girard—Crawford Co. plans grading and gravel surfacing 4.076 mi. Devlin-Miller Rd., 18 ft. J. H. Ludlow, Girard, co. engr.

Kan., Lawrence — Douglas Co. plans grading, etc., 7.008 mi. U. S. Highway 50, 30 ft. E. E. Trueblood, Lawrence, co. engr.

Kan., Ottawa—Franklin Co. plans grading, etc., 4.274 mi. Federal Aid Project 306-B, 30 ft. E. F. Loveless, Ottawa, co engr.

N. D., Bismarck — Burleigh Co. plans improving 26 mi. Bismarck-Wilton Rd., State Route 6.

Mo., Huntsville—Randolph Co. plans election $750,000 bonds, improving various roads. Noted Nov. 25.

Mo., Plattsburg—Clinton Co. voted $200,000 bonds, improving 9 mi. various roads. Noted Dec. 2.

Tex., Beeville—Making plans hard paving 19½ blocks various streets. $70,000. R. Fenner, city engr.

Tex., Beaumont—Plans permanent paving 15 blocks various streets. $50,000. R. C. Black, city engr.

Tex., Edinburg—Hidalgo Co., election in January, $6,000,000 bonds, grading, bridging, and hard paving 150 mi. main highways. J. C. Eperson, Edinburg, co. judge.

Tex., San Antonio—Making preliminary plans paving 7 blocks South Medina St., 40 ft. $70,000. I. Ewig, city engr. Property owners pay ⅔ of cost.

Okla., Guymon—Plans grading, curbing, and vertical fibre brick paving 16,200 sq.yd. Bway., 1st and Cherokee Sts., Dist. 2. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Oklahoma City—Plans widening, curbing and sheet asphalt paving 9,700 sq.yd. 5th St. $38,200. B. M. Hart, City Hall, engr.

Okla., Oklahoma City—Plans grading, curbing and sheet asphalt paving 6,940 sq.yd. 46th and 47th Sts. $31,700. B. M. Hart, City Hall, engr.

California — State Hy. Comn., Sacramento, making plans widening and resurfacing present pavement between Livermore and Dublin, Alameda Co. To exceed $25,000. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Berkeley—E. M. Hann, city clk., rejected bids grading and Willite paving, etc., Solano Ave. between The Alameda and west city limits. Noted Nov. 25.

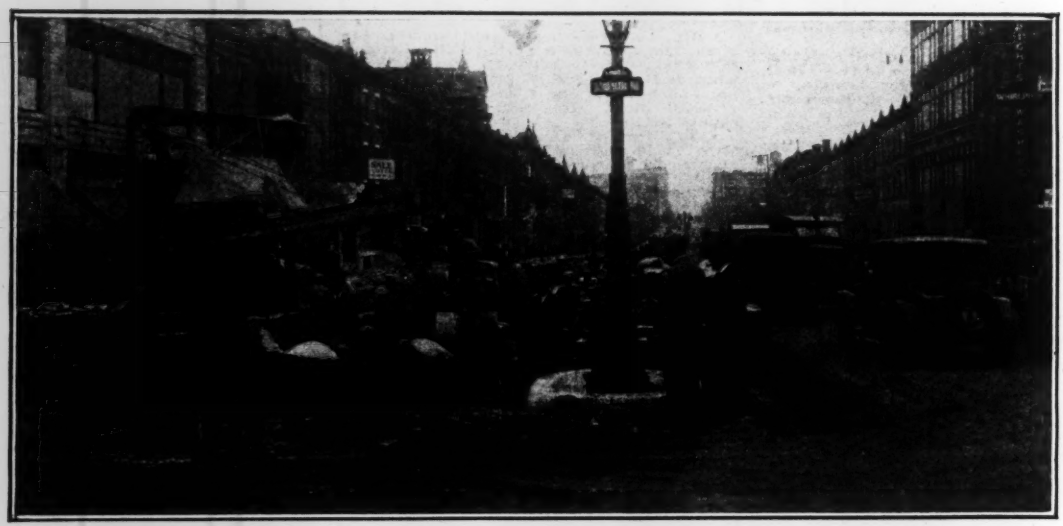
Calif., Long Beach—Making plans curbing, sidewalks, guttering and 6 in. disintegrated granite paving, etc., Myrtle, 20th and 21st Sts., Gale and Ellis Aves., et al. To exceed $50,000. R. D. Van Alstine, City Hall, engr.

Calif., Los Angeles—Making plans curbing, guttering and sheet asphalt and asphaltic concrete paving, etc., San Fernando Rd. between Tyburn and Huron Aves.; also paving, etc., Rendondo Blvd., Atwater Ave. and Alley St. J. C. Shaw, City Hall, engr.

Constr. News page 404

Granite Lives Forever—

Broad Street, Philadelphia
over the new subway



is being paved with Granite Blocks

This pavement over the subway will outlast the steel rails in the subway. Granite Lives Forever. More than that, Broad Street will be clean, smooth but not slippery, and will require practically no repairs.

"Granite Street Construction" explains how to build an everlasting Granite Block pavement. City engineers should write for it.

The Granite Paving Block Mfrs. Assoc. of the U. S. Inc.
31 State Street, BOSTON, MASS.
Representing The World's Greatest Granite Quarries

GRANITE·LIVES·FOREVER

Streets and Roads (Continued)

Calif., National City — Voted $180,000 bonds, paving various streets. Noted Oct. 7.

Calif., Redondo Beach — Making plans paving, etc., Elena St. $32,000.

Calif., San Diego—Made plans curbing, sidewalks and 2 in. on 3 in. asphaltic concrete paving 17,287 sq.yd. Ampudia, Hortensia Sts., etc. F. A. Rhodes, City Hall, engr.

Calif., San Francisco — Making plans widening and constructing approximately 1½ mi. Ocean Blvd., 700 ft. $200,000. M. M. O'Shaughnessy, city engr.

Calif., San Jose—Making plans improving sub-division tract in Alum Rock Ave. near Fleming Ave., incl. street work, gas and electric mains, etc. $25,000 or more. H. B. Fisher, Growers Bank Bldg., engr. Noted Oct. 7.

B. C., Barnaby—Plans election in January, $100,000 bonds, road improvements and sidewalks on various streets. E. Smith, Municipal Hall, Edmonds, engr.

B. C., North Vancouver—Plans election in January $50,000 bonds, concrete reconstructing road through Moodyville, etc. C. S. Hanes, City Hall, West Vancouver, engr.

B. C., Prince Rupert — Plans election $300,000 bonds, improving roads and completing portion Prince Rupert Rd. to Terrace Highway, etc. P. Philip, Dept. Pub. Wks., Victoria, engr.

B. C., Vancouver—Voted $450,000 bonds, permanent roads, lanes, and sidewalks on various streets. C. Brackenridge, City Hall, engr. Noted Nov. 25.

Bids Desired

N. Y., Brooklyn — Dec. 29, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, etc., Cortelyou Rd., East 12th, 26th and 39th Sts.; grading and sheet asphalt on 6 in. concrete paving West 6th, 58th and 68th Sts.

New Jersey—Jan. 10, at office State Hy. Comn., Trenton, grading, bridging, retaining walls, concrete, granite block and asphalt paving, etc., Sect. 3 Route 1 Extension, between Ookland and Larch Aves., in Jersey City, etc., Contr. 5, A. L. Grover, secy.; adv. E. N.-R. Dec. 23.

Florida—Jan. 5, by State Road Dept., Tallahassee, **(F.A.P. means Federal Aid Project and Rd. Road)** plain concrete, sheet asphalt, bituminous concrete or bituminous macadam on 8 in. Florida lime rock paving 13 mi. F.A.P. 54, Rd. 1, Leon Co., 9.1 mi. F.A.P. 59, Rd. 1, Jefferson Co., 7.1 mi. F.A.P. 53-A, Rd. 2, Lake Co.; surface treating 12.53 mi. F.A.P. 54-A and 58, Rd. 11, Leon and Jefferson Counties; clearing, grubbing, grading, etc. 10.09 mi. F.A.P. 52, Rd. 1, Escambia Co., 10.16 mi. and 7.58 mi. 677-C and 677-D, both Rd. 13, Levy Co., 8.27 mi. Project 683-C, Rd. 4, Palm Beach Co., and 15.22 mi. Project 687-B, Rd. 2, Lake Co. J. L. Cresap, highway engr. Noted Dec. 16.

Alabama—Jan. 12, by State Hy. Comn., Montgomery, concrete asphalt paving 8.21 mi. Tuscaloosa-Birmingham Highway, 18 ft., Tuscaloosa Co. W. A. McCalla, highway comr.

Ala., Birmingham — Jan. 10, by City Comn., curbing guttering, sidewalks and concrete paving 3 blocks 33rd Ave., 30 and 40 ft. $33,350, and 1 block 57th St., 28 ft. $8,270; sheet asphalt on macadam paving 3 blocks 75th St., 50 ft., $8,160; curbing, guttering, sidewalks and asphaltic concrete paving 3 blocks 8th Ave. and 44th Pl., Ensley, 30 ft., $8,900; concrete paving 1 block 10th Ave. S., 20 ft., incl. clay pipe, brick manholes with c.i. covers to be construct d, 20 ft., $2,600; also 3 blocks brick c.i. and terra cotta sewers in 10th St., Aves. F and I, Ensley, $15,200.

Miss., Durant—Dec. 27, by L. J. Wilkes, city clk., curbing, guttering and Warrenite on concrete paving 10,000 sq.yd. Madison and West Sts. M. L. Culley, 1st Natl. Bank Bldg., Jackson, engr.

O., Cincinnati—Dec. 27, by Director Pub. Serv., curbing, sidewalk and granite block repaving, etc., 5,200 sq.yd. Vine St. $39,639. C. O. Sherrill ,City Hall, engr.

O., Cincinnati — Dec. 30, by Comrs. Hamilton Co., grading and tar bound macadam repaving 9,800 sq.yd. Graves Rd., $25,835; also 10,400 sq.yd. Brill Rd., $27,450. E. A. Gast, Court House, engr. Noted Nov. 25.

Ind., Evansville — Jan. 10, by Comrs. Vanderburgh Co., concrete paving Voight Rd. $252,679. S. Bell, aud.

Illinois—Jan. 10, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, improving 175 mi. roads. F. T. Sheets, highway engr.

Kan., Wichita—Jan. 5, by Clerk Sedgwick Co., grading, curbing, guttering, brick or concrete surfacing, etc., 30,236 sq.yd. Federal Aid Project 326-A, incl. 9,817 ft. hedge, 18,421 lb. reinforcing, etc. M. Roseberry, Wichita, co. engr. Noted Nov. 4.

Tex., Brownsville — James & Dickinson, Brownsville, taking bids (from invited contractors) hard paving in subdivision, known as Los Ebanos. $80,000. Private plans.

Tex., Wellington — Jan. 11, by C. C. Small, mayor, grading, vertical fibre brick paving 7,715 sq.yd. and concrete paving 3,367 sq.yd. various streets. $137,200. C. L. Harle, Memphis, engr.

Okla., Oklahoma City — Dec. 28, by M. Peshek, city clk., grading, curbing and concrete paving 9,230 sq.yd. North McKinley St. $37,381. B. M. Hart, City Hall, engr.

Calif., San Diego — Jan. 3, by Common Council, grading, concrete curbing, cement sidewalks, etc., on 1,791 sq.ft. N St., etc. F. A. Rhodes, city engr.

Calif., Martinez — Jan. 3, by Supervs. Contr. Costa Co., grading, incl. 14,000 yds. embankment along Santa Fe R.R. from Knightsen. R. R. Arnold, Martinez, co. surv.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., taking bids grading, concrete on asphaltic concrete paving, etc., Buena Vista, San Miguel Aves., etc., Impvt. Dist. 2. To exceed $25,000. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Santa Ana—Supervs. Orange Co. taking bids and open same about Dec. 27, grading, curbing, guttering, walks, concrete and 4½ in. waterbound macadam paving, etc., Coast Blvd., Jasmine St., etc. To exceed $25,000 . J. L. McBride, Santa Ana, co. rd. comr.

Bids Received

Massachusetts—Dept. Pub. Wks., Boston, Dec. 14, rein.-con. paving 11,886 ft. highway in Seekonk, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $113,978, and 5,347 ft. in Wilbraham, from Adams & Ruston Constr. Co., Springfield, $49,707; rein.-con. and bituminous macadam paving 9,564 ft. in Attleborough, and bituminous macadam paving 9,900 ft. in Brockton, from C. Bianchi, Framingham, $124,227 and $86,295 respectively, 8,610 ft. in Braintree and Quincy, from Lawton Constr. Co., Providence, R. I., $104,689, 6,664 ft. in Chelmsford, from A. Pollatte, Dracut, $47,321, 3,830 ft. in Weymouth, from W. H. Hinman, Medway, $48,197, and 19,050 ft. in Westfield, from Kelliher Corp., Turners Falls, $150,267. Noted Dec. 9.

Mass., Quincy (Boston P. O.) — Dept. Pub. Wks., Boston, Dec. 14, bituminous macadam paving 10,484 ft. Sect. Southern Route, here, from P. Caputo, 363 Hanover St., Boston, $226,465. Noted Dec. 2.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, F. D. Gallatin, pres., Arsenal Bldg., Central Park, 5th Ave. and 64th St., New York City, Dec. 14, improving 2nd portion Ocean Parkway, here, from Pizzo & Foley, 649 Lorimer St., $29,858. Noted Dec. 9.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Dec. 15, from B. Turecamo Contg. Co., 8706 16th Ave., asphalt paving East 5th St. $5,118, 19th Ave. $4,132, and 74th St. $6,944, also from Uvalde Asphalt Paving Co., 1 Bway., New York City, Rockaway Ave. $6,904; from Castle Bros., Johnson Pl. and Snyder Ave., grading, etc. East 29th St. $5,768 and 74th St. $6,770, from C. Bennett Impvt. Co., for Rutland Rd. $8,653. Noted Dec. 9.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Dec. 14, grading Longshore St., from Morrissey Bros., 4345 North 7th St. $1,190, and 59th St., from C. Gerlach, 6118 Pine St. $5,093; asphalt paving (assessment work), Malvern St., from Barber Asphalt Paving Co., 239 North 30th St. $6,107, and Thompson St., from Mack Paving & Constr. Co., Nicetown Lane and Luzerne St. $12,848; vitr. block paving (assessment work), Springer St., from Durabilt Paving Co., 1518 North 8th St. $1,077; improving Lisser, 84th and 85th (country) Rds., and furnishing sand for asphalt paving mixtures, from Union Paving Co., 123 South 21st St. $17,453 and $1,250 respectively; steel for repairing 6th St. and Allegheny Ave. Bridge, from Amer. Fabricated Steel Co., 2442 North Bodine St. $1,656; furnishing limestone dust, from E. J. Lavino & Co., Bullitt Bldg., $1,748; furnishing fuel oil, from Atlantic Refining Co., 260 South Broad St., $2,188; and crushed stone, from Van Sciver Corp., Parkway and 24th Sts., $2,775. Noted Dec. 9.

South Carolina—State Hy. Dept., Dec. 9, sand clay surfacing, etc. 4.5 mi. Route 391, State Project S-528, Aiken Co., from Carson Bros., Batesburg $17,659, 3.3 mi. Route 36, State Project S-527-B, Bamberg Co., from Mayfield Constr. Co., Denmark $13,455, 3.6 mi. Route 27, Federal Aid Project 272, Edgefield Co., from McKenzie & Johnson, Abbeville $19,806, 2.3 mi. Route 3, State Project S-616, Florence Co., from B. W. Richardson, Jr., Charlotte, N. C. $8,494, 7.5 mi. Route 24, State Project S-639-A, Lexington Co., from Virginia Contg. Co., Bishopville $27,497, 8.6 mi. Route 24, State Project S-639-B, Lexington Co. from Newell Contg. Co., Greenville $43,579, 2.8 mi. Route 6, State Project S-589-A, Lexington Co., from Richardson Constr. Co., Charleston $17,983, and 3.1 mi. Route 121, State Project S-599, Contr. 2, Lexington Co., from J. A. Livingston, North $11,150; hardsurfacing 1.9 mi. Federal Aid Project 38-D, Oconee Co., from Simons-Mayrant, Charleston $72,230, 14.7 mi. Route 8, Federal Aid Project 257-A and C, 243-A, Contr. 2, and State Project S-615-A, Spartanburg Co., from Noll Constr. Co., Charlotte, N. C. $423,054, 3.9 mi. Route 11, Federal Aid Project 94, and 207-A, Union Co., from Slattery & Henry, Greenville $111,644; treated timber bridges on Route 53, State Project S-623, Florence Co., and on Project S-639-A, Lexington Co., from W. B. Boyle Co., Sumter, $5,993 and $6,477 respectively, also over Whippey Creek and Salkehatchie River on Route 35, State Project S-587-D, Hampton and Hampton Collecton Counties; from Porter Constr. Co., Charlotte, N. C. $37,247; culverts on Route 8, Federal Aid Project 243-C, Spartanburg Co., from M. R. Woodall Co., Inc., Welton Bldg., Atlanta, Ga., $26,486. Noted Dec. 2.

O., Lyndhurst (br. Cleveland)—Concrete sidewalks, etc., on 8 streets, from V. O. Galier, Builders Exch., Rose Bldg., Cleveland, $44,042.

Calif., Los Angeles—Supervs. Los Angeles Co., grading and concrete paving, etc., 125,824 sq.ft. Amestoy Ave., Impvt. 412, from Griffith Co., Railway Bldg., Los Angeles, approximately $40,579. Noted Oct. 28.

Contracts Awarded

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, bituminous paving Hillsdale St., here, to J. A. Singarella, 110 High St., Boston. Engrs. est. $25,000. Noted Dec. 2.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Arsenal Bldg., Central Park, 5th Ave. and 64th St., New York City, F. D. Gallatin, pres., grading, curbing, and sheet asphalt paving Ocean Parkway Terminus, Coney Island, here, to M. J. O'Hara, Neptune Ave. and West 19th Sts., $44,955. Noted Dec. 16.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, etc. Morgan Ave. and East 28th St., to F. Gabrielle, 1129 8th Ave., $13,876 and $4,381 respectively; East 212th St., to Burnside Contg. Co., 270 Burnside Ave., $6,634; Olinville Ave., to Spellone Contg. Co., 391 East 149th St., $30,458; Coddington Ave., to Asphalt Contg. Co., 208 Bway., $13,916. Grand total $69,265. Noted Dec. 16.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to L. Di Minna, 3366 Lorilard Pl., sidewalks on Mace Ave., $26,312 and Continental Ave. $14,184, to M. Del Balso, 2551 Cruger Ave., Radcliff Ave. $18,001, to Asphalt Constr., 2197 Madison Ave. Goodwin Terrace $4,598, to T. DiRoma, 33 Evelyn Pl., Whitlock Ave. $23,412, Paulding Ave. $11,595, Barnes Ave. $5,755, Henwood Ave. $2,813, Pelham Parkway $14,177, also grading Logan Ave. $8,779, and Fenton Ave. $5,312. Grand total $134,938. Noted Dec. 9.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, granite block paving Hylan Blvd., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $1,857; and grading, curbing, etc., Ridgewood Ave., to F. J. Zarelli, 390 Carey Ave., $13,388. Noted Dec. 2.

Pennsylvania—State Hy. Dept., Harrisburg, macadam paving 19,773 sq.yd. Route 103-Application 4235, Potter Co., to D. L. Dennis, Galeton, $55,401; rein.-con. paving 23,467 sq.yd. Route 246, Application 4339, Butler Co., to O. B. Bracht, Titusville, $99,985; also grading, etc., 39,233 cu.yd. Route 431, Huntingdon Co., to Monongahelia Constr. Co., Fairmont, W. Va., $53,936. Grand total $209,322. Noted Oct. 28, Nov. 11 and 18.

Delaware—See "Bridges."

W. Va., Pineville—Wyoming Co., grading, etc., Clearfork Rd. Co., to McArthur & Hood, Pineville, $85,313.

Alabama—State Hy. Dept., Montgomery, waterbound macadam surfacing 7 mi. Bee Line Highway from Cullman to Garden City, 18 ft., Cullman Co., to Texas Road Co., Santa Fe Bldg., Dallas, Tex., $74,000, engrs. est. $75,000; also grading and gravel surfacing 7 mi. Guin-Hamilton Rd., 18 ft., Marion Co., to W. M. Thompson & Co., Lafayette, $107,000, engrs. est. $110,000.

Constr. News page 405

Streets and Roads (Continued)

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, grading, etc. 4,920 cu.yd. Glades Ave., to Morgan & Watkins, 6804 Pennsylvania Ave. $3,977, and 3,170 cu.yd. Devlin St., to M. J. Smith, 6771-A Nashville Ave. $3,185; also constructing Sect. 3, Plan B Camp Springs Public Relief Sewer, to Riley Contg. Co., 110 North 7th St., $13,631. Grand total $20,793. Noted Dec. 16.

Okla., Oklahoma City—Grading, curbing and concrete paving 8,680 sq.yd. West 28th St., to M. A. Swatek & Co., 519 West Main St., $33,710. Engrs. est. $35,000.

Nevada—State Hy. Dept., Carson City, grading and surfacing 16.25 mi. Jean-Bard Rd., Clark 6-B and C 1, Federal Aid Project 101-B, Clark Co., to K. Hodgman, 517 Crofton St., Oakland, Calif., $82,305; and surfacing 14.81 mi. Hafed-Derby Rd., Federal Aid Project 98A-B, Washoe Co., to Nevada Rock & Sand Co., Reno, $54,520. Noted Dec. 2.

Wash., Seattle—Bd. Pub. Wks., 8 in. concrete paving, etc. Harbor Ave. S. W. et al., to J. L. Smith, 304 West 36th St., $46,736. Noted Dec. 16.

California—State Hy. Dept., Sacramento, surfacing 14.81 mi. road between Hafed and Derby, to Nevada Rock & Sand Co., Reno, Nev., $54,520.

Calif., Los Angeles—Curbing, guttering, 300 ft. 6 in. and 363,685 sq.ft. 8 in. concrete paving, etc., Pico Blvd., to H. A. McCray, Subway Terminal, $118,287. Noted Dec. 16.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, sidewalks on 1,016 sq. ft. Melrose Ave. Impvt. 302, to B. R. Ford, 208 West 1st St., Santa Ana, $92,561; also 42,875 sq.ft. Parmalee Home Tract, to J. M. Shull & Co., 1260 Locust St., Riverside, $24,720. Noted Dec. 16.

Calif., Vallejo—H. Hein, secy. Joint Hy. Dist. 5, grading, etc. 60,000 cu.yd. Carquinez Straits Rd. connection, to S. P. Cooley, 409 Webster St., Palo Alto, $37,608. Noted Nov. 25.

Buildings — Commercial

Proposed Work

Mass., Boston — CLUBHOUSE, HOTEL and RECREATION CENTRE — Durant Inc., 336 Huntington Ave., having new plans prepared by Coolidge & Carlson, 89 State St., 4 story and basement, brick, plain foundation, Huntington Ave. To exceed $150,000.

Mass., Boston—STORE and OFFICE—Elm Realty Co., Inc., c/o Miller & Levi, archts., 46 Cornhill, Boston, having plans prepared 3 story and basement, rein.-con. and steel, plain foundation, Dock Sq. and Elm St. $150,000.

Mass., Charlestown (sta. Boston)—THEATRE—Owner, c/o Miller & Levi, archts., 46 Cornhill, Boston, having plans prepared 1 story and basement, 11,900 sq.ft. floor space rein.-con. and steel, plain foundation, Chelsea St. near City Sq., here. $150,000.

Mass., Framingham — HOSPITAL — Framingham Hospital Assn., G. A. Avery, pres., having preliminary plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, 3 story and basement, brick addition, plain foundation, Evergreen St. $150,000.

Mass., Lynn—TEMPLE—Associated Masonic Lodges of Lynn, C. A. Bettune, chn., 25 Central Ave., having sketches made by C. L. Betton, 31 Exchange St., W. H. Peare, 6 Beacon St., Boston, and Sanborn & Weed, 38 Exchange St., 3 story and basement, brick addition. $150,000 or more.

Conn., Hartford—COURTHOUSE—Hartford Co., S. H. Graham, Suffield, having plans prepared by Smith & Bassette, 36 Pearl St., and takes bids about Jan. 1, 3 story and basement, 180 x 240 ft., stone, Washington St. $1,350,000. Noted July 15.

Conn., Middletown—OFFICE—Middlesex Mutual Assurance Co., c/o E. B. Caldwell, Jr., 886 Main St., Bridgeport, having preliminary plans prepared brick and steel, Court and Broad Sts. $150,000 or more.

N. Y., Glens Falls—STORE and OFFICE—G. A. Rogers, 32 Bway., having plans prepared by H. B. Herts, 25 West 43rd St., New York City, 6 story, brick, steel and stone, plain foundation, Bay and Maple Sts., here. $600,000.

N. Y., New York—APARTMENT—Fifty-One West 86th Street Corp., c/o Sugarman & Berger, archts., 345 Madison Ave., having plans prepared 16 story, 67 x 80 ft., brick, steel and stone, plain foundation, 51 West 86th St. $500,000.

N. Y., New York—APARTMENT—Seven Hundred Ten West End Ave. Corp., c/o G. F. Pelham, archt., 570 7th Ave., having plans prepared 15 story, 80 x 93 ft., brick, steel and stone, plain foundation, 710 West End Ave. $600,000.

N. Y., New York — HOME — Hannah Lavanburg Home for Girls, 319 East 17th St., soon takes bids 7 story, 85 x 100 ft., brick, steel and stone, plain foundation, 331 East 12th St. $500,000. Sommerfeld & Sass, 31 Union Sq., archts. Noted Nov. 11.

N. Y., New York — OFFICE — Three Hundred Thirty West 42nd St., Corp., J. A. Larkin, 1457 Bway., having plans prepared by J. A. and E. L. Larkin, engrs. and archts., 1457 Bway., 110 story, 226 x 250 ft., brick, steel and stone, rock foundation, 326-346 West 42nd and 327-345 West 41st Sts. $22,500,000. A. D. Stark, 45 West 45th St., associated engr.

N. Y., New York — THEATRE — Roxy Theatres Corp., 383 Madison Ave., having plans prepared by W. W. Ahlschlager, 65 East Huron St., Chicago, Ill., steel theatre, 58th St. and Lexington Ave., here. $3,000,000. Engineer not selected.

N. J., Camden—RESTAURANT—Camden Chamber of Commerce, Hotel Walt Whitman, soon lets contract 3 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundation, 531 Market St. Lackey & Hettle, 5 Hudson Ave., Phila., Pa., archts.

N. J., Mt. Holly—HOSPITAL—Burlington Co. Hospital, c/o C. V. Palmer, Moorestown, having plans prepared by Morris & Erskine, 1716 Cherry St., Phila., Pa., 3 story and basement, 36 x 183 ft., and 42 x 77 ft., rein.-con., brick and steel, plain foundation, here. Noted Feb. 25.

N. J., Newark—DEPARTMENT STORE—L. Bamberger & Co., Halsey St., having plans prepared by J. Hunt, 30 North Michigan Blvd., Chicago, Ill., 16 story, 109 x 141 x 281 ft., brick, steel and stone, plain foundation, Washington, Bank and Halsey Sts. $10,000,000. M. C. Schwab, 30 North Michigan Blvd., Chicago, Ill., engr. Noted July 1.

Pa., Erie—HOTEL—United Hotels Co. of America, 25 West 45th St., New York City, plans hotel addition, here. $1,000,000.

Pa., Phila. — APARTMENT — Tioga Apartment Corp., c/o Brown Bros., Fox Bldg., having plans prepared by J. E. Fieldstein, Otis Bldg., 4 story and basement, 54 x 120 ft., brick and steel, plain foundation. 23rd and Tioga Sts.

Pa., Phila.—STORE and OFFICE—L. B. Rothschild, archt., 215 South Broad St., soon lets contract 2 story and basement, 126 x 128 ft., rein.-con., brick and steel, plain foundation, 22nd and Chestnut Sts., for E. M. Brown, 2218 Chestnut St.

Pa., Phila.—THEATRE—H. Moskovitz, 1707 North Croskey St., having plans prepared by Hodgens & Hill, 130 South 15th St., 1 story and basement, 54 x 180 ft., brick and steel, plain foundation, 1710 North 22nd St.

La., Coushatta—COURT HOUSE—Defeated $150,000 bonds, 3 story and basement, concrete, brick and stone courthouse. Noted Sept. 6.

O., Columbus—THEATRE—Loews, Inc., 1540 Bway., New York City, N. Y., soon lets contract 125 x 187½ ft., brick, stone and concrete theatre, 3,500 seating capacity, East State St., here. $800,000. Noted Dec. 2.

O., Mariemont — BUSINESS — Taylor & Kenny, archts., Portsmouth, completed plans and soon take bids entire block of business buildings, here. Owner's name withheld.

Ill., Chicago—APARTMENT—S. A. Clifford & Co., 111 West Washington St., soon takes bids 6 story and basement, on 50 x 150 ft. rein.-con., brick and stone, 6021 Winthrop Ave. $400,000.

Ill., Chicago—APARTMENT—A. Goldstein, 134 North La Salle St., having plans prepared by Rissman & Hirshfield, 64 West Randolph St., 16 story and basement, 138 x 165 ft., Buena Ave. and Lake Shore. $1,500,000.

Ill., Chicago—HOTEL and STORE—Ellen Kenner Ingal Building Corp., 2970 Sheridan Rd., having sketches made by F. Stanton, 310 South Michigan Ave., 12 story and basement, 50 x 150 ft., 1118-24 Bryn Mawr Ave. $1,350,000.

Kan., Lawrence—LODGE and THEATRE—I. O. O. F. Lodge 4, rejected bids 4 story and basement, rein.-con. and brick lodge and theatre building. $120,000. R. E. Scarnell, 509 Natl. Reserve Bldg., Topeka, archt. Noted Nov. 4.

Mo., Kansas City—OFFICE—Interurban Central Station, 1135 Scarritt Bldg., having plans prepared by Wight & Wight, 1st Natl. Bank Bldg., 10 story and basement, 130 x 210 ft., rein.-con., brick and steel, plain foundation, 10th and Grand Sts. $2,500,000.

Calif., La Jolla—CLUB—La Jolla Beach & Yacht Club, 526 Spreckels Bldg., San Diego, had plans prepared by R. B. Stacy-Judd, 526 Spreckels Bldg., San Diego, 2 story, 70 x 500 ft., rein.-con. club house, also constructing two 900 ft. stone jetties, 685 ft. concrete esplanade, dredging 7 acre harborette, etc. Taggart Aston, 526 Spreckels Bldg., San Diego, engr. $1,000,000.

Calif., Los Angeles — CLUB — Young Mens Institute having preliminary plans prepared by G. M. Lindsey, Unoin Insurance Bldg., 4 story and basement, 100 x 119 ft., rein.-con., incl. swimming pool in connection with gymnasium, Valencia St. near 10th St.

Calif., Los Angeles — MAIL ORDER HOUSE and RETAIL STORE—Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., purchased 8.5 acre site and plans mail order house, East 9th St. between Soto and Alsota Sts.; also 5 acre site for retail store, Vermont Ave. between Slawson and Menlo Sts., here. $5,000,000. Engineer and architect not selected.

Bids Desired

Mass., Boston — THEATRE — Kenmore Theatre Co., 80 Federal St., taking bids 2 story and basement, brick, stone, and steel, plain foundation, Kenmore Sq., Beacon St. $300,000. Desmond & Lord, 1 Beacon St., archts. Noted July 8.

Mass., Dedham—STORE and OFFICE—High St. Associates, taking bids 3 story and basement, brick and stone, plain foundation, Washington and High Sts. $150,000. Private plans.

Mass., Malden (br. Boston)—APARTMENTS—See "Contracts Awarded."

Mass., Norwood—OFFICE—Jan. 10, by Town, c/o W. G. Upham archt., Bigelow Blk., 2 story and basement, brick and stone, plain foundation, West, Matahan and Market Sts. $275,000.

Mass., Roxbury (br. Boston)—BANK—Atlantic Natl. Bank, 10 Post Office Sq., Boston, taking bids altering and reconstructing 2 story and basement, rein.-con., brick and steel, 1199 Washington St., here. $150,000 or more. T. M. James Co., 3 Park St., Boston, archts.

N. Y., New York—HOSPITAL—Dec. 28, by Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., additions and alterations in out-patient dept., Gouverneur Hospital, Front St. and Gouverneur Slip.

N. J., Asbury Park — CONVENTION HALL, etc.—Jan. 4, by E. F. Hetrick, mayor, brick, steel and stone convention hall, amusement pier and theatre, etc. $1,500,000. Warren & Wetmore, 16 East 47th St., New York City, archts. Noted Nov. 25.

Pa., Chester — HOTEL — See "Contracts Awarded."

Ill., Chicago — APARTMENT — S. A. Clifford & Co., 111 West Washington St., taking bids 6 story and basement, 50 x 150 ft., rein.-con., brick and stone known as Kenmore Short, 5417-19 Kenmore Ave. $400,000.

Ia., Sioux City — THEATRE and OFFICE—Dec. 31 (extended date), by C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., Frances-Orpheum Building, 7 story theatre and 4 story (ultimately 8 story) office building, 150 x 200 ft., rein.-con., brick, steel and terra cotta, concrete pile foundation, here, for Frances Building Co., A. Sanford, pres., 307 Frances Bldg. $1,500,000. Lieberman & Hein, 190 North State St., Chicago, Ill., engrs. Noted Dec. 16.

Ark., Hope — THEATRE — Dec. 27 (extended date), by J. P. Brundidge, 40 ft. high, 75 x 150 ft., concrete, brick and steel, 2nd St. $150,000. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., Texarkana, archts. Noted Dec. 2.

Calif., Burbank — EXCHANGE — See "Contracts Awarded."

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Bids Received

N. Y., New York — HOSPITAL — State Hospital Comn., Albany, Dec. 15, constructing New York State Psychiatric Institute, here, general contract from Guidone & Bottino, 52 Vanderbilt Ave., **(a)** $1,291,472 **(b)** $1,153,560 **(c)** $1,161,184 **(d)** $1,032,045 **(e)** $865,872; heating, from E. Rutzler Co., Inc., 40 East 49th St., **(a)** $158,315 **(b)** $148,781 **(c)** $147,398 **(d)** $137,875 and **(e)** $128,636; sanitary work, from P. F. Kenny Sons, Walton Ave. and 167th St., **(a)** $139,898 **(b)** $127,822 **(c)** $133,697 **(d)** $121,470 and **(e)** $104,702; electrical work, from W. H. Traverner Corp., 175 5th Ave., **(a)** $68,700 **(b)** $64,900 **(c)** $66,300 **(d)** $62,350 and **(e)** $57,000; elevators, from A. B. See Elevator Co., 52 Vesey St., **(a)** $74,970 **(b)** $46,200 and **(c)** $45,600. Noted Nov. 4.

Constr. News page 406

Buildings—Commercial (Continued)

Contracts Awarded

Mass., Boston—STORE and OFFICE—City Central Corp., 30 Federal St., 4 story and basement, brick and stone, plain foundation, Dock Sq., to Capobianco Constr. Co., 46 Cornhill. Archts. est. $150,000. Noted Nov. 25.

Mass., Cambridge (Boston P. O.) — BUSINESS—W. T. Powers (contractor), 24 Union Sq., Somerville, will build 4 story and basement, brick, limestone and steel, plain foundation, near Harvard Sq., here. $150,000. Owner's name withheld.

Mass., Gloucester—HOTEL—E. Smith Co., 221 Main St., altering and constructing 4 story and basement, brick addition 215-219 Main St., to J. W. Day & Son, Gloucester. Archts. est. $150,000.

Mass., Lowell—STORE and MASONIC TEMPLE—A. G. Pollard Co., 133 Merrimack St., 3 story and basement, 70 x 150 ft., and 50 x 70 ft., brick and stone, plain foundation, Merrimack St., to B. G. Wiggin Co., 150 Market St. Archts. est. to exceed $150,000. Noted Dec. 9.

Mass., Malden (br. Boston)—APARTMENTS—C. E. White, Franklin Park Revere, will build various units 2 and 3 story and basement, brick, plain foundations, Revere, Brentwood, Lawrence and Salem Sts. $350,000. Work will be done by separate contracts. Private plans.

Mass., Waltham (Ind. br. Boston)—WARD—Walthem Hospital, 3 story and basement, brick, plain foundation, Hope Ave., to L. J. Geoffrien, 15 Howard St. Archts. est. $150,000.

N. Y., Flushing—BANK and OFFICE—Flushing Natl. Bank, Amity St., 4 story, brick, steel and stone, plain foundation, Amity St., to Roberts Nash Co., 100 Amity St. Archts. est. $300,000.

N. Y., Long Island City—COMMISSARY—Pennsylvanja R.R. Co., Broad St. Sta., Phila., Pa., rein.-con., brick and steel, plain foundation, Sunnyside Yards, to G. A. Fuller Co., 949 Bway., New York City. Archts. est. $200,000.

N. J., Atlantic City — APARTMENT — Owner, c/o C. H. Roberts, archt., 112 South 16th St., Phila., Pa., 10 story and basement, 54 x 94 ft., rein.-con., brick and steel, wood pile foundation, 117 South Illinois St., here, to J. N. Gill Constr. Co., City Center Bldg., Phila., Pa. Noted Dec. 2.

Pa., Altoona—WAREHOUSE and SALES—Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, general contract 1 story and part basement, 195 x 207 ft., rein.-con. and brick warehouse and sales building, here, to Columbia Constr. Co., Altoona. Archts. est. $150,000.

Pa., Chester—HOTEL—Ell Der Constr. Co., c/o L. Davidson, Franklin Trust Bldg., Phila., will build 8 story and basement, 112 x 114 ft., rein.-con., brick and steel, plain foundation, 9th St. and Deshong Dr. $1,200,000. Work will be done by separate contracts. Private plans.

Pa., Phila.—APARTMENT—M. Truchtbaum, archt., 610 Spruce St., 4 story and basement, 104 x 180 ft., rein.-con., brick and steel, plain foundation, 6308 Jefferson St., to I. Dozor, 5649 Sansom St. Archts. est. $400,000. Owner's name withheld.

Fla., Jacksonville—BANK, OFFICE and GARAGE—Medical Arts Corp., c/o A. Fullerton, 310 West Church St., 10 story, 52.6 x 80 ft., brick, steel and stone bank and office building, West Duval St., also 4 story, brick and steel, garage, 426-28 Duval St., to James Stewart & Co., Inc., 17 East 42nd St., New York City. Archts. est. $600,000. Noted Oct. 21.

Ill., Chicago — APARTMENT — W. C. Bannerman & Co., 77 West Washington St., masonry and carpentry contract 16 story and basement, 57 x 170 ft., 2136 Lincoln Park West, to A. Lindstrom & Co., 77 West Washington St.; stone, to W. Schick & Sons, 2917 South 48th Ave. Archts. est. $1,600,000. Noted June 24.

Ill., Chicago—APARTMENT—Cromwell Building Corp., c/o Quinn & Christensen, 360 North Michigan Ave., masonry and carpentry contract 8 story and basement, 50 x 150 ft., rein.-con. and brick, 5716-18 Winthrop Ave., to C. E. Erickson, 5753 Bway.; plumbing and heating, to Service Plumbing & Heating Co., 68 South Water St.; electric wiring, to Eiseman & Skon, 4071 Elston Ave. Archts. est. $425,000.

Ill., Chicago — APARTMENT HOTEL — H. K. Holsman, archt., 307 North Michigan Ave., masonry, concrete and steel contract 16 story and basement, 110 x 112 ft., 2221-31 East 67th St., to R. Sollitt & Sons, 5 North La Salle St.; plumbing, to F. P. Myers, 6615 South Ashland Ave.; heating, to P. T. Maloney, 2219 East 79th St.; carpentry, to Olson Bros., 69th and Euclid Aves., for South Shore Building Enterprise Syndicate, 6760 Stoney Island Ave. Archts. est. $1,000,000. Noted Sept. 16.

Ill., Chicago—OFFICE and STORAGE—Bowman Dairy Co., Ontario and La Salle Sts., masonry contract 3 story, 158 x 213 ft. office and storage building, 830-44 Rees Ave., to S. Nielson, 3059 Augusta Ave. Archts. est. $300,000.

Calif., Burbank—EXCHANGE—Southern California Telephone Co., 740 South Olive St., Los Angeles, will build 2 story, 50 x 155 ft., stucco, 3rd St. and San Fernando Blvd., by day labor. $170,000.

Calif., Los Angeles—APARTMENT—L. T. Sepin, 409 Frost Bldg., will build 5 story and basement, 50 x 175 ft., brick and concrete, Whitley Ave., by day labor and subcontracts. $150,000.

Calif., Los Angeles—APARTMENT—H. Lentzner, 124½ North Westmoreland Ave., will build 4 story and basement, 52 x 125 ft., brick, North Westmoreland Ave., by day labor. $150,000 or more.

Calif., San Diego—HOTEL—R. T. Robinson, Jr., Commonwealth Bldg., 14 story, rein.-con., 8th and Ash Sts., to W. Simpson Co., San Diego. Archts. est. $2,000,000.

Buildings—Industrial

Proposed Work

Mass., Boston—SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., having plans prepared by Bigelow & Wadsworth, 120 Tremont St., sub-station, 31-33 Hawkins St. To exceed $40,000.

Mass., Gloucester—REPAIR and SERVICE GARAGE—City plans 1 story, rein.-con., Rogers St. $50,000 or more. Private plans.

Mass., Haverhill — PLANT — Haverhill Electric Co., 121 Merrimack St., having plans prepared 2 story brick and steel, Merrimack St. $40,000. C. H. Tenney & Co., 200 Devonshire St., Boston, engrs.

Mass., Malden (br. Boston) — GAS PURIFICATION PLANT — Malden & Melrose Gas Co., 200 Devonshire St., Boston, having revised plans prepared 1 story, rein.-con., Commercial St. $40,000. C. H. Tenney Co., 200 Devonshire St., Boston, engrs.

Mass., Salem—PLANT—Salem Electrical Co., c/o C. H. Tenney & Co., engrs., 200 Devonshire St., Boston, having plans prepared 2 story, brick and steel addition. $40,000.

N. Y., Port Jefferson—MACHINE SHOP—Standard Oil Co. of New York, 26 Bway., New York City, plans 1 story, 40 x 150 ft. rein.-con., brick and steel, plain foundation, here. $40,000.

N. Y., New York — FACTORY and GARAGE — Columbia Metal Box Co., 226 East 144th St., A. C. Blackman, pres., having plans prepared by G. A. Bagge & Sons, 157 East 44th St., 3 story, 130 x 190 ft.; brick, steel and stone, plain foundation, Rider Ave. and 142nd St. $300,000.

Pa., Beaver Falls—WAREHOUSE and KILN — Armstrong Cork Co. having plans prepared by H. Becker, c/o owner, 1 story, 60 x 120 ft., and 180 x 220 ft., brick and steel warehouse and kiln building. $80,000.

Pa., Ephrata—MILL—Lockwood, Greene Co., archts., 1 Pershing Sq., New York City, N. Y., soon lets contract 1 story and basement, 254 x 258 ft., rein.-con., brick and steel, plain foundation, here, for Stunzi Sons Silk Co.

Va., Charlottesville—FACTORY—Tiuus, Blatter & Co., 1625 5th Ave., New York City, purchased site and plans (1st unit) factory for manufacturing cretonnes and draperies, here. $80,000. Lockwood, Greene & Co., 1 Pershing Sq., New York City, engrs.

Ga., Sandersville — PLANT — Georgia Portland Cement Co., J. L. Hankinson, pres., Lamar Bldg., Augusta, retained H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O., to design and construct (1st unit) 2 kiln cement plants, 3,000 bbl. daily capacity, with provision for 3rd kiln later. Engrs. est. $2,000,000. Noted Sept. 23.

Fla., Jacksonville—ELECTRIC PLANT—Lockwood, Greene & Co., engrs., Healy Bldg., Atlanta, Ga., soon lets contract 100 x 114 ft., rein.-con. and brick, concrete pile and caisson foundation, here, for Graybar Electric Co., 334 East Bay St.

O., Canton — FACTORY — Luehrs Co., 118 St. Clair Ave., soon lets contract 1 story, 101 x 122 ft., brick and steel factory. $75,000. D. Luehrs, c/o owner, engr.

Minn., Minneapolis — GAS PLANTS — Minneapolis Gas Light Co., 16 South 7th St., A. Rand, pres., plans new oil and coal gas plants, $1,000,000 and $3,000,000 respectively; extending gas and pressure mains, $2,000,000; and addition to water gas equipment, incl. engines, etc., $1,000,000.

Bids Desired

Mass., Springfield—PLANT—See "Contracts Awarded."

Mass., Somerville (br. Boston)—FACTORY—Somerville Machine & Fdry. Co., 14 Kent St., taking bids 1 story, brick and limestone, plain foundation, Kent St. $40,000. D. Cormier, 15 Herbert St., archt.

R. I., Auburn (mail Providence)—PLANT—Respro, Inc., taking bids 1 and 2 story brick addition to Picker building and storehouse, plain foundation. $40,000 or more. C. R. Makepeace & Co., Butler Exch. Bldg., Providence, archt.

Tex., Alice—SHIRT FACTORY—R. C. Bell, 1108 Baldwin St., Ft. Smith, Ark., taking bids 2 story, concrete or tile factory, here. Private plans.

Tex., Midland — LIGHT PLANT — See "Contracts Awarded."

Bids Received

Mich., Muskegon — FACTORY — Vander West & Child, archts. and engrs., Montgom-

News-Record Information Bureau

Your reauirements will be published free of charge in the McGraw-Hill Construction Daily.

A. W. Welch,
ENGINEERING NEWS-RECORD,
Tenth Ave. at 36th St., New York, N. Y.

I would like to get prices or catalogs from manufacturers in the following lines:

. . . . . .

. . . . . .

. . . . . .

Name . . . . . .

Address . . . . . .

Constr. News page 407

Buildings—Industrial (Continued)

ery Bldg., 1 story, 120 x 192 ft., brick and steel, plain foundation, Getty St., from W. Buck Constr. Co., Houston Ave., for Panyard Machine Mfg. Co., 296 Western Ave., $29,899. Noted Dec. 2.

Tex., San Antonio—GARAGE and SHOW ROOM—Central Impvt. & Investment Co., c/o Buick Co., 5th St. & Bway., 3 story and basement, 80 x 140 ft., rein.-con., brick and stone, plain foundation, Bway. and 10th St., from A. Vogel & Co., 318 Jones Ave., $116,972. Noted Dec. 16.

Contracts Awarded

Mass., Amesbury — BOILER HOUSE — Merrimack Hat Corp., 60 Merrimack St., 1 story, rein.-con., brick and stone addition, to J. Moran, 11 Cedar St. Archts. est. $40,000. Noted Dec. 9.

Mass., Cambridge (br. Boston)—FREIGHT TERMINAL, etc. — Boston & Maine R.R., F. C. Shepherd, asst. ch. engr., North Sta., Boston, 1 story, freight terminal, sidings, etc., to Dwight P. Robinson & Co., Inc., 125 East 40th St., New York City. Engrs. est. to exceed $2,000,000.

Mass., Canton — FACTORY — Norfolk Japanneries, Inc., Neponset St., 2 story, brick and timber, plain foundation, to Reynolds Bros., Inc., 179 Summer St., Boston. Archts. est. $50,000.

Mass., Quincy Point (mail Boston)—FABRICATING SHOP—Bethlehem Shipbuilding Corp., Fore River, Quincy, 1 story, rein.-con., brick and steel, concrete foundation, 97 East Howard St., to Wilson & Tomlinson, 201 Devonshire St., Boston. Archts. est. $45,000.

Mass., South Boston (sta. Boston)—FACTORY—Dahlquist Mfg. Co., 36 West 3rd St., 2 story and basement, rein.-con. and brick addition, plain foundation, 18 West 3rd St., to Blake & Pope Co., 53 State St., Boston. Archts. est. $40,000 or more.

Mass., Springfield — PLANT—Springfield Gas & Light Co., 36 State St., will alter and construct 2 story, brick addition, plain foundation, Columbus Ave. $40,000 or more. Work will be done by separate contracts. C. H. Tenney & Co., 200 Devonshire St., Boston, engrs.

N. Y., New Rochelle—WAREHOUSE—Neptune Storage Warehouse, C. Kirschenbaum, pres., rein.-con., brick and steel addition, plain foundation, Huguenot St., to Barney-Ahlers Constr. Corp., 110 West 40th St., New York City. Archts. est. $100,000.

Pa., Phila. — SUB-STATIONS — Dept. City Transit, H. E. Ehlers, dir., for Substation 4, 1 story and basement, 72 x 89 ft., Louden St., and Substation 5, 1 story and basement, 65 x 84 ft., Cumberland St., both concrete, steel, stone, brick and terra cotta for housing synchronous converters, Vaux apparatus for furnishing power for Broad St. Subway, Constr. 145, to Curtis Grinrod Co., 10 South 18th St., $349,047. Noted Dec. 9.

Md., Williamsport — STEAM PLANT — Potomac Edison Co., rein.-con., brick and steel addition, to Sanderson & Porter, 52 William St., New York City. Archts. est. $2,000,000.

Ill., Chicago — STORAGE — See "Buildings—Commercial."

Wis., Menasha—FACTORY—Paper Roll Plug Co., Tayco St., 1 story, 15 x 30 ft., 21 x 50 ft., 30 x 40 ft., 40 x 50 ft., 23 x 62 ft., also two 30 x 100 ft., brick and timber buildings, plain foundations, here, to Thermotite Constr. Co., Owen. Archts. est. to exceed $40,000.

Wis., Waukesha — POWDERED MILK PLANT — Thompson Malted Food Co., 1171 Riverside Dr., 1 story, 62 x 200 ft., brick and steel top addition, to W. T. Buchholz, 1081 Sherman Blvd., Milwaukee. To exceed $150,000.

Tex., Midland—LIGHT PLANT—Morgan Utilities, Inc., A. O. U. W. Bldg., Little Rock, Ark., will build light plant, here, by day labor. $200,000. Private plans.

Buildings—Educational, Religious

Proposed Work

N. H., Farmington—HIGH SCHOOL—Town, F. W. Browne, chn. com., having plans prepared by J. E. Richardson, 56 Grove St., Dover, 2 story and basement, brick and stone addition, plain foundation. $150,000.

Mass., Braintree—CHAPEL—St. Francis Parish, 856 Washington St., W. H. Walsh, pastor, plans chapel, Elm St. and Hawthorne Rd. $150,000. Engineer and architect not selected.

Mass., Great Barrington — PARISH HOUSE — Housatonic Congregational Church, Pittsfield, having sketches made by Harding & Seaver, 7 North St., 2 or 3 story, brick, plain foundation. $150,000.

R. I., Providence—LIBRARIES—Providence Pub. Library, having plans prepared by Clarke & Howe, 11 Weybosset St., 10 branch libraries. To exceed $150,000.

R. I., Providence—SCHOOL—City, Pub. Buildings Dept., having sketches made by T. J. H. Pierce, City Hall, 2 story and basement, brick addition, Veazie St. $500,000.

Conn., Hartford—CHURCH—Blue Hill's Baptist Church, I. H. Benedict, pastor, plans new church. $150,000. Engineer and architect not selected.

N. Y., Geneva — SCHOOL — Bd. Educ. takes bids about Jan. 2, brick, steel and stone, plain foundation, Prospect St. $200,000. W. Potter, 22 East 17th St., New York City, archt. Noted May 27.

N. Y., New York—TEMPLE and COMMUNITY HOUSE—Congregation Temple Anache Chesed, c/o E. I. Shire, archt., 373 4th Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, 824 West End Ave. $500,000. Noted July 1.

N. J., Plainfield—SCHOOL—Bd. Educ. having plans prepared by J. T. Rowland, Jr., 100 Sip Ave., Jersey City, brick, steel and stone, plain foundation, West 8th St. $450,000.

N. J., Princeton—GYMNASIUM—Princeton University plans 1 story, 41 x 150 ft. addition to gymnasium. $150,000. J. G. Hibben, pres.

N. J., Rahway—SCHOOL—Rahway Bd. Educ. voted $257,000, for Grover Cleveland Grammer School. Engineer and architect not selected.

Pa., Pittsburgh—SCHOOL—St. Adelberts Roman Catholic Polish Congregation, South 15th St., having plans prepared by Potter Gabele & Co., Prospect-Fourth Bldg., Cleveland, O., 4 story and basement, 145 x 200 ft., brick and hollow tile, South 15th St. $500,000.

Ill., Rock Island—DORMITORY—Augustana College having plans prepared by Perkins, Fellows & Hamilton, 812 Tower Court, Chicago, and takes bids about Feb 1, 4 story, 70 x 159 ft., rein.-con. and stone, 7th Ave. near 36th St. $175,000. This corrects report in Dec. 16 issue.

Okla., Tulsa—HIGH SCHOOL—Election Dec. 24, $750,000 bonds, 3 story and basement, 116 x 274 ft., rein.-con. and brick, plain foundation, also repairing present building, for Bd. Educ. R. J. Moore, city aud. Engineer and architect not announced.

Calif., San Luis Obispo—HIGH SCHOOL—San Luis Obispo High School Bd. sold $260,000 bonds, high school. T C. Kistner & Co., 1121 Detwiler Bldg., Los Angeles, archts. Noted Nov. 25.

Bids Desired

Mass., Fall River — SCHOOL — City, Mayor's Office, taking new bids 2 story and basement, brick and stone, plain foundation, Bay St. $150,000. J. I. Higgins, 44 Borden Blk., archt. Noted Aug. 12.

Mass., Holyoke—SCHOOL—Jan. 10 (extended date), by City, School Bd., 3 and 4 story and basement, 80 x 275 ft., brick and stone, plain foundation, Maple and Cabot Sts. $400,000. G. P. B. Alderman, 316 High St., Boston, archt. J. J. Myers, City Hall, engr. Noted Dec. 9.

Mass., Quincy (Ind. br. Boston) — CHURCH and PARISH HOUSE—Bethany Congregational Church, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, taking bids 1 and 2 story and basement, stone and marble, plain foundation, Coddington and Spear Sts. $400,000. Noted Nov. 11.

Conn., Torrington—CHURCH—Dec. 23, by St. Peters Parish, S. Bonforti, pastor, 2 story, 65 x 112 ft., brick, steel and stone, East Main St. $150,000. D. A. Guerriero, 1029 Main St., Hartford, archts. Noted Dec. 16.

Fla., Miami—HIGH SCHOOL—Jan. 10, by Dade Co. Bd. Pub. Instruction, Central School Bldg., 69 Northeast 3rd St., Miami Senior High School, Southwest 24th Ave. and 1st St. $1,000,000. Kiehnel & Elliott, 930 Seybold Bldg., archts. Noted Dec. 16.

La., Gretna—SCHOOL—Jan. 7, by Jefferson Parish School Bd., J. C. Ellis, supt., rein.-con., brick and stone, pile foundation, $150,000. W. T. Nolan, Canal-Commercial Bldg., New Orleans, archt. Noted Nov. 4.

Ind., Indianapolis — HIGH SCHOOL — Jan. 14, by School Comrs., 150 North Meridian St., Shortridge High School, rein.-con., brick and steel, 34th and Meridian Sts. $1,200,000. Kopf & Deery, 402 Indiana Pythian Bldg., archts. Noted Oct. 21.

Mich., Detroit—SCHOOL—Jan. 5, by C. A. Gadd, bus. mgr. Bd. Educ., for G. E. Parker Elementary School, 2 story and basement, rein.-con., brick and steel, plain foundation, Elmira Ave. $400,500. McGrath, Dohmen & Page, 2231 Park Ave., archts.

Mich., Detroit—SCHOOL—Jan. 7, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, Roosevelt Field, LaSalle Blvd. $640,000.

Mich., Royal Oak (Ind. br. Detroit)—HIGH SCHOOL—Dec. 28, by F. D. Madison, archt., 212 1st State Bank, 2 story and basement, rein.-con., brick and steel, plain foundation, for Bd. Educ., Dist. 6, $750,000.

Wis., West Milwaukee (Milwaukee P. O.) —HIGH SCHOOL—Dec. 29 (extended date), by G. L. Niederstadt, clk. School Dist. 12, 4117 Beloit Rd., 2 story and basement, 58 x 71 ft., and 78 x 148 ft., rein.-con., brick and terra cotta, plain foundation, Greenfield Ave. $200,000. M. Tullgren & Sons, 9 Waverly Pl., archts. Noted Dec. 2.

Calif., Los Angeles—CHURCH—Jan. 4, by Immanuel Presbyterian Church, 4 story and basement, 150 x 235 ft., rein.-con. and steel, Wilshire and Berendo Sts. $1,000,000. H. M. Patterson & C. F. Skilling, Chamber of Commerce Bldg., archts. Noted Dec. 16.

Bids Received

Calif., Pasadena—SCHOOL—Bd. Educ., general contract 2 story, rein.-con., East Colorado St., from B. F. Farley, Victory Bldg., Burbank, $106,879. Noted Oct. 28.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., Dec. 8, general contract Sherman School, fireproof, Union St., from Mahony Bros., Flood Bldg., for City and San Francisco Co. $262,400. Noted Nov. 25.

Contracts Awarded

Mass., Danvers—HIGH SCHOOL—Town, School Com., 2 story and basement, 85 x 175 ft., brick and stone, plain foundation, Conant and Park Aves., to Dacey & Tibbetts, 70 Porter Rd., Cambridge, $190,900. Noted Dec. 16.

Mass., Worcester — SCHOOL — Holy Name of Jesus Parish, J. A. Dalpe, pastor, altering and constructing 3 story and basement, 75 x 150 ft., brick and stone addition, plain foundation, to J. J. Roberts, 4 Wall St. Archts. est. $150,000. Noted Nov. 25.

N. Y., Newburgh — CONVENT and ACADEMY — Sisters of Order of St. Dominic, 5 story and basement, 50 x 236 ft., and 47 x 116 convent and academy, here, to F. A. Hare Co., 270 Madison Ave., New York City. Noted Dec. 2.

N. Y., White Plains — SCHOOL — Bd. Educ., 2 story, 150 x 200 ft., brick, steel and stone, plain foundation, to W. Verbusse, Port Chester, $208,000. Noted Nov. 18.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt., 19th and Chestnut Sts., general contract 3 story and basement, 97 x 219 ft., rein.-con., brick, steel and terra cotta, L and Lycoming Sts., to W. Langhorne, 10 South 18th St., $462,000; and heating, to Thompson Bros., 520 Buttonwood St., $45,440. Noted Dec. 16.

Pa., Swarthmore — SCHOOL — School Dist., H. Jaquette, secy., general contract altering and constructing 3 story and basement, 65 x 155 ft. addition, Collins Ave., to Bryan Co., 10 South 18th St., Phila., $115,450. Noted Dec. 16.

Federal Government Work

Proposed Work

Mass., Winchester—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., had plans prepared 1 and 2 story, 65 x 75 ft. post office, here. J. A. Wetmore, c/o owner, archt.

Miss., Vicksburg—River Work—U. S. Engineer Office making preliminary plans improving Red River below Fulton, Ark., $34,000; Ouachita and Black Rivers, $42,000; Tenses River and Bayou Macon, $5,000; Bouef River, $5,000; Bayous Tallahatchie and Goldwater Rivers, $2,000; and Big Sunflower River, $8,000.

Bids Desired

N. Y., New York—Dredging—Jan. 20, by U. S. Engineer office, 710 Army Bldg., 39 Whitehall St., dredging and rock removal in East River; adv. E. N.-R. Dec. 23.

Constr. News page 408

Federal Government Work (Continued)

Va., Norfolk—Dredge Tender—Jan. 20, by U. S. Engineer Office, constructing 35 x 9 x 4 ft. motor dredge tender; adv. E. N.-R. Dec. 23.

Washington — Pumping Units — Jan. 3, by Bureau Reclamation, Denver, Colo., 2 or 3 pumping units delivering 10 sec.ft. each, against 500 ft. head, motors for direct connection, hydraulically or watermotor operated discharge gate valves, etc., for Shell Rock Pumping Plant, Okanogan Project, here.

Calif., Fort Mason (mail San Francisco) —Wharf Repairs—Jan. 4, by constructing Quartermaster, wharf repairs, here.

Bids Received

N. Y., Fire Island (mail Babylon)—Radio Towers — Spec. 5244 — Bureau Yards & Docks, Navy Dept., Wash., D. C., Dec. 15, two 150 ft. steel radio towers and concrete footings, from F. H. Burdick, 1132 Heberton St., Pittsburgh, Pa., $7,485. Noted Dec. 2.

D. C., Wash.—Pumping Units—U. S. Engineer Office, 1068 Navy Bldg., installing and testing 2 motor driven pumping units for Dist. of Columbia water supply project, from DeLaval Steam Pump Co., Trenton, N. J., $16,986. Noted Nov. 18.

Va., Richmond—Piping—Treas. Dept. at office Supervising Archt., Wash., D. C., brass piping at U. S. Post Office, here, from H. J. Tolker, 6 South Madison St., $3,400. Noted Dec. 2.

Ky., Fort Thomas—Incinerator—Quartermaster, c/o Fort Thomas, Dec. 6, 5 ton incinerator, can wash equipment and building, from Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $13,075. Noted Nov. 25.

Wyo., Buffalo—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., Dec. 15, 2 story and basement, brick and stone post office, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $74,345. Noted Dec. 2.

Wyo., Cody—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Dec. 15, 2 story and basement, brick and stone, here, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $74,000. Noted Dec. 2.

Tex., Wichita Falls — Water Piping — Treas. Dept., at office Supervising Archt., Wash., D. C., Dec. 15, waterpiping at U. S. Post Office, here, from English Constr. Co., 15 West 91st St., New York City, N. Y., $3,900. Noted Dec. 2.

Contracts Awarded

N. Y., Peekskill — Magazine — United States Property & Disbursing Officer, 224 Heyward St., Brooklyn, Magazine Building at state camp, here, to J. F. Forrestal Co., Beacon. Noted Nov. 25.

D. C., Wash.—Boiler House—Constructing Quartermaster, Munitions Bldg., boiler house and heating system, at Machine Shop, Bolling Field, to M. H. Pagenhardt Co., 2130 Locust St., Phila., Pa., $15,678. Noted Dec. 2.

O., Dayton—Pump House—Constructing Quartermaster, Wright Field, pump house, pumping machinery and equipment, to Elcon Eng. Co., 12 North 3rd St., Columbus, $18,490. Noted Nov. 18.

Tex., Amarillo — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to A. M. Lundberg, 208 Bway., St. Louis, Mo., $27,900. Noted Oct. 28.

Unclassified

Proposed Work

Swimming Pool—Lawrence, Mass.—City, W. T. Rochefort, mayor, having plans prepared by Higgins & Collins, 316 Essex St., concrete swimming pool, Memorial Park. $25,000.

Telephone Lines — Greensboro, N. C. — Southern Bell Telephone Co., 67 Edgewood Ave., Atlanta, Ga., plans extending lines to outlying districts of Greensboro and laying conduits along West Market St., here. $60,000-$100,000. W. B. Little, Greensboro, local mgr.

Underpasses and Overpasses — Greensboro, N. C. — City and Southern Ry. Co., B. Herman, ch. engr., 1300 Penn Ave., Wash., D. C., making plans 11 grade separations, incl. 9 underpasses and 2 overpasses. $1,000,000. P. C. Painter, city mgr. H. Miller, vice-pres. Southern R.R. O. S. Payzant, c/o Felheimer & Wagner, 155 East 42nd St., New York City, engr. designing structures. Noted Oct. 14.

Golf Grounds—Coral Gables, Fla.—See "Streets and Roads."

Swimming Pool — Cleveland, O. — City plans 100 x 200 ft. concrete swimming pool, in Fairview Park. $100,000. S. Newman, City Hall, engr.

Swimming Pool — Cleveland, O. — City plans 100 x 200 ft., rein.-con. swimming pool at West 135th St. and Lorain Ave. $100,000. S. Newman, City Hall, engr.

Underground Cable Lines — Detroit, Mich.—Michigan Bell Telephone Co., Cass Ave., making plans 80,000 ft. main and feeder cables for territory adjacent to Puritan and Muirland Aves. $100,000. Private plans.

Hydro-Electric Development—Park Falls, Wis.—Flambeau Paper Co., Park Falls, E. P. Sherry, pres., 461 Jefferson St., Milwaukee, making plans hydro-electric development, incl. power plant and dam, on Flambeau River near here. Mead & Seastone, State St., Madison, engrs.

Gas and Pressure Mains—Minneapolis, Minn.—See "Buildings—Industrial."

Amusement Park — Aurora, Neb. — J. Waller plans amusement park, incl. swimming pool, skating rink, dance pavilion, etc. $25,000.

Grain Elevator—Kansas City, Mo.—Chicago & Alton R.R. Co., R. A. Cook, ch. engr., 340 West Harrison St., Chicago, Ill., making plans 1,000,000 bu. rein.-con. addition to grain elevator, here. Smith West Co-operative Wheat Growers Assn., J. Vesecky, pres., Timken, Kan., lessee.

Gas Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, made plans natural gas line from Luling to Gonzales. $42,000. Work will probably be done by day labor and buy pipe. Address E. B. Neiswanger, company engr.

Transmission Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, making plans 60 mi. transmission line from Childress to Clarendon. $100,000. Private plans.

Distributing System—Mt. Pleasant, Tex.—East Texas Pub. Serv. Co., 72 Adams St., Chicago, Ill., having surveys, etc., made rebuilding large portion distributing system, here. $30,000. H. M. Long, c/o owner, Marshall, engr.

Land Development—San Benito, Tex.—C. R. Tyrrell & C. E. DeFreest, c/o Brady Bldg., San Antonio, making plans colonizing 1,700 acres in Cameron Co., incl. roads, etc., costing approximately $40,000. Private plans.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, made preliminary plans 75 mi. 33,000 volt transmission line from Garber to Kansas line near Arkansas City. $75,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Underpass—Tulsa, Okla.—Election Feb. 27, $75,000 bonds steel and rein.-con. underpass. C. Schultz, city engr.

Land Development—Bellingham, Wash.—Plans developing 200 acres tide lands of Bellingham Terminals for factory and industrial sites. $250,000.

Esplanade—La Jolla, Calif.—See "Buildings—Commercial."

Swimming Pool—Los Angeles, Calif.—See "Buildings—Commercial."

Tunnel—Los Angeles, Calif.—City Bureau of Power & Light making plans 1 mi. tunnel in Lake Elizabeth Canyon.

Bids Desired

Repairing Pier—New York, N. Y.—Dec. 30, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, repairing and restoring recreation pier shed on Pier 30, East River, foot Market St.

Steam Heating Plant—Cleveland, O.—Dec. 24, by City, steam heating plant for exhibition building at East 3rd St. and Lakeside Ave. $20,000.

Garbage Unloading Dock—St. Louis, Mo.—City, c/o Bd. Pub. Serv., 208 City Hall, taking bids rein.-con. garbage unloading dock, foot of Chouteau Ave., on river front. $56,000.

Terminal—San Francisco, Calif.—California State Bd. Harbor Comrs., Ferry Bldg., taking bids ferry terminal, creosoted piles, aprons of structural steel truss construction with electric operating machinery, foot Hyde St. $100,000. F. G. White, Ferry Bldg., engr. Owner furnishes cement and creosoted piles.

Bids Received

Bulkhead—Brooklyn, N. Y.—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., New York City, Dec. 14, reconstructing sheet pile bulkhead, at Columbia St., Erie Basin, here, from Tilt Hargan Co., 90 West Bway., New York City, $56,001. Noted Dec. 9.

Outdoor Substation—Detroit, Mich.—Pub. Lighting Comn., 174 East Atwater St., outdoor substation, incl. 24,000 volt transformer, oil circuit breaker, lighting arresters, etc., from Miller York, Inc., 1523 East Congress St., $93,450. Noted Nov. 25.

Street Lighting System—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, street lighting system in Dists. B and C, incl. approximately 3,200 concrete street lighting standards complete with glassware, lanterns, cable, etc., from A. M. Ryckoff, Liberty-Central Bldg., $558,197. Engrs. est. $650,000. Noted Nov. 25.

Lighting System—Oakland, Calif.—E. K. Sturgis, city clk., Dec. 9, 353 Duplex standards on Telegraph Ave., etc., from A. C. Rice, 1977 Santee St., Los Angeles, $127,700. Noted Nov. 18.

Lighting System—Ontario, Calif.—Ornamental lighting system on A St., Euclid Ave., etc., from Los Angeles Electric Wks., 1128 South Los Angeles St., Los Angeles, $77,415. Noted Sept. 30.

Contracts Awarded

Bulk Distributing Station—Salem, Mass.—Tidewater Oil Sales Corp., 11 Bway., New York City, rein.-con. and brick bulk distributing station, Canal St., here, to L. R. Porter, 6 New Derby St. Noted Dec. 16.

Asphalt Paving Unit—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., improving asphalt plant, 90th St. and East River, to Warren Bros., 5 Church St., $54,988. Noted Dec. 9.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway, Sect. 3, Route 161, under Church St., etc., and Sect. 4, under 6th Ave. from Watts to West 3rd Sts., to Rosoff Constr. Co., 461 8th Ave., $14,150,000. Noted Dec. 9.

Pier—Oceanside, Calif.—City Trustees 340 ft. steel, concrete and timber pleasure pier, to S. Smith, 2025 Bay St., Los Angeles, $93,900. Noted Nov. 11.

Materials

Bids Desired

Copper Rail Bonds, etc.—Phila., Pa.—Dec. 29, by Montgomery Smith, purch. agt. Pennsylvania R.R., at 17th and Filbert Sts., copper rail bonds and terminals. Contr. 79-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Frogs, Crossings, etc.—Phila., Pa.—Dec. 27, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., frogs, crossings, and switchbraces, etc. Contr. 77-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Insulated and Track Bonding Wire—Phila., Pa. — Dec. 28, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., insulated and specially annealed track bonding wire. Contr. 78-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Liquid Chlorine—Milwaukee, Wis.—Dec. 29, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 50,000 lb. liquid chlorine.

Portland Cement—Two Rivers, Wis.—Dec. 30, by R. Biehl, city mgr., approximately 10,000 bbl. portland cement.

Lumber, etc.—Greenfield, Ia.—Dec. 30, at office Auditor Adair Co., 225,000 ft. untreated bridge timber, 56,000 ft. creosoted bridge lumber, and 6,400 ft. piling. C. H. Luhmkuhl, Greenfield, co. engr.

Lumber, etc.—Nevada, Ia.—Dec. 28, at office Auditor Storey Co., 75,000 ft. full sawed bridge lumber, 6,000 ft. treated cap timbers, and 3,000 lin.ft. piling. S. Steigerwalt, Nevada, co. engr.

Lumber, etc.—West Union, Ia.—Dec. 28, at office Auditor Fayette Co., 6 car loads full sawed bridge plank, 120,000 reinforcing bars ⅝ in. round, and 60,000 bars ¾ in. round. A. D. Finch, West Union, co. engr.

Bids Received

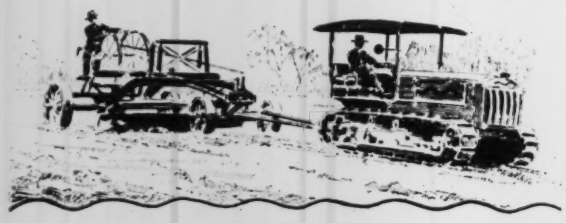
Ties — San Francisco, Calif. — Bd. Pub. Wks., Dec. 8, 25,000 each **(a)** raw water **(b)** cedar ties for municipal railway, from H. L. Kell, 302 Rialto Bldg., **(a)** $1.17 each, **(b)** $1.08, $0.88 and $0.82 each. Noted Dec. 2.

Contracts Awarded

Creosoted Lumber—Los Angeles, Calif.—City Harbor Comn., C. H. Spear, genl. mgr., Dec. 1, creosoted lumber under Spec. 729, to C. R. McCormick Lumber Co., Lane Mortgage Bldg., $38,405. Noted Nov. 25.

See proposal advertising on page 106

Constr. News page 409 →



"Do it with a
CATERPILLAR!"

Pull your loads, grade your roads, spot your cars for the shovel or the dump. Five models, for every need. Competent service men. Complete stock of repair parts.

Road and Construction Machinery
for use with the "Caterpillar."

Self Loading Scrapers.
Dump Wagons and Trailers.
Snow Plows.
Bulldozers for Dirt Moving.
Road Graders

Backed by nationally known manufacturers.

Why shop around for tractors and Tractor-hauled Equipment? Tell us your job and we will advise and furnish what you need.

C. F. SEABROOK CO., Inc.
DISTRIBUTORS
GENERAL OFFICE: 50 Church Street, New York City
Bridgeton N. J. | 1019 N. Eutaw St., Baltimore, Md. | 374-390 S. Pearl St. Albany, N. Y.

CATERPILLAR

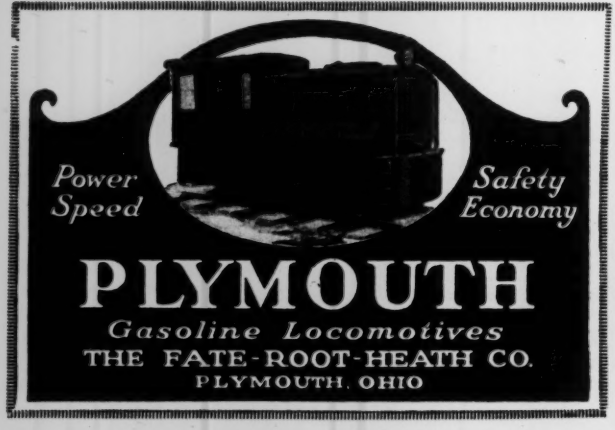
The Kinney TRADE MARK REG. U.S. PAT. OFF.

HEATER and DISTRIBUTOR

Heats and applies under pressure all varieties of bituminous materials for highway construction and maintenance. Recognized by contractors, engineers and road builders for its superiority of construction and efficient operation. It is a single power unit requiring no extra engine or separate power plant for supplying pump pressure. Meets all specification requirements.

Kinney Manufacturing Co.
Boston, Mass.

New York Philadelphia San Francisco Los Angeles
Chicago Houston Kansas City



Power Speed *Safety Economy*

PLYMOUTH
Gasoline Locomotives
THE FATE-ROOT-HEATH CO.
PLYMOUTH, OHIO

Building DUMP CARS *Since 1893* Western
Western Wheeled Scraper Co.
Aurora, Illinois

CARS—HAND, AUTOMATIC AND AIR DUMP CARS—TRACK ETC.
FOR ALL ENGINEERING AND INDUSTRIAL USES.
KOPPEL INDUSTRIAL CAR & EQUIPMENT CO.
KOPPEL — PENNA.
NEW YORK - CHICAGO
PITTSBURGH - SAN FRANCISCO
KOPPEL KOPPEL

THE TRADE MARK
OF QUALITY ROAD MACHINERY

Durability *Simplicity* ACME *Economy* *Satisfaction*

ACME ROAD MACHINERY CO., Frankfort, N. Y.

SPECIFY THE BEST
A Complete Line of the Highest Grade Track Materials
SWEETS STEEL CO

FOR YOUR JOBS
Write for Descriptive Catalog.
WILLIAMSPORT, PA.

PORTER "better built" locomotives
Ask for Bulletins

PORTER STEAM LOCOMOTIVES
— UP TO 100 TONS —
For 60 years the Finest made.
H·K·PORTER·CO· PITTSBURGH PA

SEVEN WORKS

Ramapo Ajax Corporation
RAILWAY TRACK MATERIAL
Switch Stands, Frogs, Switches, Crossings, Guard Rails, Clamps &c.
—steam, mine and industrial railway tracks—
MANGANESE WORK A SPECIALTY
SALES OFFICES AT ALL WORKS